

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: WELL LOG _____ ELECTRIC LOG _____ FILE X WATER SANDS _____ LOCATION _____ CTED _____ SUB. REPORT/abd. _____

980915 Conf 6441

DATE FILED JUNE 19, 1997

LAND: FEE & PATENTED

STATE LEASE NO.

PUBLIC LEASE NO.

INDIAN #

DRILLING APPROVED: JUNE 30, 1997

14-20-H62-3506

SPUDED IN: 7/7/97

COMPLETED: 8-15-97 POW PUT TO PRODUCING:

INITIAL PRODUCTION: 8-31-97

GRAVITY A.P.I.

GOR:

PRODUCING ZONES: 4162-5152'

TOTAL DEPTH: 6151' RTD

WELL ELEVATION: 5954' GL

DATE ABANDONED:

FIELD: ANTELOPE CREEK

UNIT:

COUNTY: DUCHESNE

WELL NO. UTE TRIBAL 07-09

API NO. 43-013-31900

LOCATION 1937 FSL FT. FROM (N) (S) LINE, 570 FEL

FT. FROM (E) (W) LINE. NE SE

1/4 - 1/4 SEC. 7

TWP.

RGE.

SEC.

OPERATOR

TWP.

RGE.

SEC.

OPERATOR

QUATERNARY	Star Point	Chinle	Molas
Alluvium	Wahweap	Shinarump	Manning Canyon
Lake beds	Masuk	Moenkopi	Mississippian
Pleistocene	Colorado	Sinbad	Humburg
Lake beds	Sego	PERMIAN	Brazer
TERTIARY	Buck Tongue	Kaibab	Pilot Shale
Pliocene	Castlegate	Coconino	Madison
Salt Lake	Mancos	Cutler	Leadville
Oligocene	Upper	Hoskinnini	Redwall
Norwood	Middle	DeChelly	DEVONIAN
Eocene	Lower	White Rim	Upper
Duchesne River	Emery	Organ Rock	Middle
Uinta	Blue Gate	Cedar Mesa	Lower
Bridger	Ferron	Halgaite Tongue	Ouray
Green River	Frontier	Phosphoria	Elbert
B M K R 3829'	Dakota	Park City	McCracken
Y M K R 4324'	Burro Canyon	Rico (Goodridge)	Aneth
Y A K R 4358'	Cedar Mountain	Supai	Simonson Dolomite
DCMB 4467'	Buckhorn	Wolfcamp	Sevy Dolomite
BLM 4838'	JURASSIC	CARBON I FEROUS	North Point
Wootch BC PLS 5403'	Morrison	Pennsylvanian	SILURIAN
Stone Cabin BSCARB 5821'	Salt Wash	Oquirrh	Laketown Dolomite
Colton	San Rafael Gr.	Weber	ORDOVICIAN
Flagstaff	Summerville	Morgan	Eureka Quartzite
North Horn	Bluff Sandstone	Hermosa	Pogonip Limestone
Almy	Curtis		CAMBRIAN
Paleocene	Entrada	Pardox	Lynch
Current Creek	Moab Tongue	Ismay	Bowman
North Horn	Carmel	Desert Creek	Tapeats
CRETACEOUS	Glen Canyon Gr.	Akah	Ophir
Montana	Navajo	Barker Creek	Tintic
Mesaverde	Kayenta		PRE - CAMBRIAN
Price River	Wingate	Cane Creek	
Blackhawk	SSIC		

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

b. TYPE OF WELL

OIL WELL ☒

GAS WELL ☐

OTHER

SINGLE ZONE ☐

MULTIPLE ZONE ☐

2. NAME OF OPERATOR

PETROGLYPH OPERATING COMPANY, INC.

3. ADDRESS AND TELEPHONE NO.

P.O. BOX 607, ROOSEVELT, UTAH 84066

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
At surface 1937' FSL & 570' FEL NE/SE

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

17.5 MILES SOUTHWEST OF MYTON, UTAH

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

570'

16. NO. OF ACRES IN LEASE

640

17. NO. OF ACRES ASSIGNED TO THIS WELL

.80

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

5937'

20. ROTARY OR CABLE TOOLS

ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5953.6' GRADED GROUND

22. APPROX. DATE WORK WILL START*

JUNE 1997

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	8 5/8	24.0#	250'	135 sx class "G" + 2% CaCl ₂
7 7/8	5 1/2	15.5#	5937'	+ 1/4 #/sx celloflake.
				50/50 POZMIX + 2% GEL + 10% SALT TO 400' ABOVE ALL ZONES OF INTEREST (+ 10% EXCESS). LIGHT CEMENT (11 PPG+) + LCM TO 200' ABOVE OIL SHALE OR FRESH WATER INTERVALS (+ 5% EXCESS).

PETROGLYPH OPERATING COMPANY, INC. WILL BE THE DESIGNATED OPERATOR OF THE SUBJECT WELL UNDER BOND #4556.

pc: Utah Division of Oil, Gas, and Mining
Bureau of Indian Affairs, Fort Duchesne, Utah
Ute Tribe, Fort Duchesne, Utah

RECEIVED
JUN 17 1997

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

E. L. Smith

TITLE AGENT FOR PETROGLYPH

DATE

6-10-97

(This space for Federal or State office use)

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL TO OPERATOR'S COPY

PERMIT NO.

APPROVAL DATE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY

Bryan K. Colman

ACTING

Assistant Field Manager
Mineral Resources

DATE

JUN 30 1997

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

DOGMIT

44080-711-287



United States Department of the Interior
BUREAU OF INDIAN AFFAIRS
UINTAH AND OURAY AGENCY
Fort Duchesne, Utah 84026
(801) 722-2406 Ext.

RECEIVED
JUN 26 1997

IN REPLY REFER TO:
Minerals and Mining

MINERAL ACCESS AGREEMENT ON INDIAN OWNED LANDS

WELL PAD, ACCESS ROAD AND 75' WIDE PIPELINE CORRIDOR FOR Well No. UT #07-09

The purpose of this agreement is to regulate the surface development of Indian Lands which have been leased for oil and gas development. An proved agreement must be obtained prior to the commencement of any surface disturbing activity and will be in effect for the term of the lease and the need upon contractual provisions referenced therein, in not revoked under the terms in item 4 of this agreement.

1. The authorized officer for the Bureau of Indian Affairs, in conjunction with the Indian Surface owner and Tribe hereby grants permission to:
PETROGLYPH OPERATING CO., INC.
P.O. BOX 607
ROOSEVELT, UT 84066

To improve and/or construct and maintain a development corridor which may contain an access road, pipelines, powerlines, communication lines and well pads on the following trust land (reference lease number and legal description):

LEASE NO. 14-20-H62-3506 SE/4 SECTION 7 & SW/4 SECTION 8, T5S, R3W, U.S.B. & M

2. In consideration of the approval of this agreement, the above company agrees to adhere to all lease provisions, A.P.D. stipulations and regulations of the Secretary of the Interior now or hereafter in force relative to such leases.
3. The Company herewith submits an estimated surface damage fee in the amount of 1 AS PER TERMS OF COOP. P.O.D., for _____ acres Pending Agency appraisal and the Affidavit of Completion.
4. This agreement will remain in effect unless revoked upon 30 days written notice by the Superintendent or the appropriate official, depending upon circumstances.
5. The permittee will submit a certified survey map of the proposed access road and/or well pad with this permit. The map must adhere to all specifications and requirements of the Branch of Minerals and Mining, Uintah and Ouray Agency, Bureau of Indian Affairs. Upon completion of construction, an Affidavit of Completion will be submitted by the company to certify that the construction completed was in accordance to the specifications certified to on the survey map accompanying this agreement.
6. The Company agrees to furnish a bond in the amount of \$ _____, or to utilize said company's existing Nationwide Oil and Gas Bond No. BO 4556 to guarantee performance of this permit.
7. The Company agrees to contact immediately the Bureau of Indian Affairs (BIA) and the Bureau of Land Management (BLM), if cultural resources discovered during construction or any time during the course of daily operations.
8. ADDITIONAL STIPULATIONS:

igned on this 26 day of June, 19 97.

ITNESS:

[Signature]

[Signature]
AUTHORIZED AGENT

PETROGLYPH OPERATING CO., INC.
COMPANY NAME

P.O. BOX 607
ADDRESS

ROOSEVELT, UT 84066
CITY/STATE ZIP CODE

PPROVED:

[Signature]
Superintendent

7/26/97
Date

memorandum

DATE:

6/26/97

REPLY TO
ATTN OF:

SUBJECT:

Superintendent, Uintah & Ouray Agency

Concurrence Letter for PETROGLYPH OPERATING COMPANY

TO:

Ute Tribal 07-09, NESE, SEC. 7 Ute Tribal 07-10, NWSE, Sec. 7
 Ute Tribal 07-11, NESW, SEC. 7 Ute Tribal 07-13, SWSW, Sec. 7
ALL IN TOWNSHIP 5 SOUTH RANGE 4 WEST, USB&M

RECEIVED

JUN 26 1997

Bureau of Land Management, Vernal District Office
ATTENTION: Minerals and Mining Division

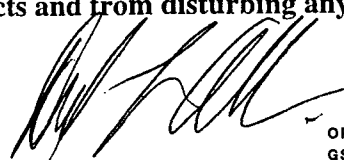
We recommend approval of the Application for Permit to Drill on the subject well.

Based on available information received on JUNE 25, 1997, we cleared the proposed location in the following areas of environmental impact.

YES ☒ NO ☐ Listed threatened or endangered species
 YES ☒ NO ☐ Critical wildlife habitat
 YES ☒ NO ☐ Archaeological or cultural resources
 YES ☐ NO ☐ Air quality aspects (to be used only if
 project is in or adjacent to a Class I area

REMARKS: The Ute Tribe Energy & Minerals Department is recommending the following criteria to be adhered during all phases of construction activities.

1. The Ute Tribe Energy and Minerals Department is to be notified 48 hours prior to construction, as a Tribal Technician is to monitor construction.
2. A 75 foot corridor rights-of-way shall be granted with the following:
 - a. Buried pipelines shall be buried a minimum of 3 feet below soil surface.
 - b. Access roads shall be limited to 30 feet, except as granted for sharp turns
 - c. Surface pipelines shall be limited to 13 feet wide.
 - d. Buried pipelines shall be limited to 15 feet wide and construction will be monitored by Tribal Technician.
3. Pipelines adjacent to access roads shall be buried within 1.5 feet from the outside edge of the barrow ditch. Additional pipelines shall be parallel to each other, as safety requirements will allow.
4. Petroglyph Operating Corporation will assure the Ute Tribe that any/all contractors and any sub-contractors has acquired a Tribal Business License and have access permits prior to construction.
5. All vehicular traffic, personnel movement, construction and restoration operations should be confined to the area examined, as referenced in report, and to the existing roadways and/or evaluated access routes.
6. All mitigative stipulations contained in the Bureau of Indian Affairs site specific Environmental Analysis (EA) will be strictly adhered.
7. All personnel should refrain from collecting artifacts and from disturbing any significant cultural resources in the area.



OPTIONAL FORM NO. 10
 GSA
 (REV. 1-94)
 5010-118

SITE SPECIFIC
ENVIRONMENTAL ANALYSIS

RECEIVED

1.0 PROPOSED ACTION

JUN 26 1997

Petroglyph Operating Co., Inc. is proposing to drill oil well #07-09, and construct pipelines, and an access road.

2.0 ALTERNATIVE ACTIONS

- A. ALTERNATIVE CONSIDERED: The proposed action is the preferred alternative.
- B. NO ACTION: Under the no action alternative the proposed action would not be implemented.
- C. OTHER: NA

3.0 PERMITTEE/LOCATION

- A. Permittee- Petroglyph Operating Co., Inc.
- B. Date 6-5-97
- C. Well number- 07-09
- D. Right-of-way- Access road R\W approx. 0.3 mile.
Pipeline R\W approx. 1400 feet.
- E. Site location- NESE, Section 7, T5S, R3W, USB&M.

4.0 SITE SPECIFIC SURVEY

A. SITE DESCRIPTION

- 1. Elevation (feet) 5959
- 2. Annual precipitation (inches)- 12-14
- 3. Topography- rolling hills
- 4. Soil- The soil texture is (0 to 6") gravely loam with moderate permeability.

B. VEGETATION

- 1. Habitat type is upland pinion juniper.
- 2. Percent Ground Cover- estimated to be 40%.
- 3. Vegetation consists of approximately 10% grasses, 30% shrubs, 10% forbs, 36% trees. The main variety of grasses are squirrel tail, Indian ricegrass, poa, needle & thread, bluebunch wheat, galleta, and blue grama. Forbs are astragalus, mustard, lambs quarter, globemallow, buck wheat, flox, daisy, Indian paint brush, & annuals. Shrubs consist of black sagebrush, fring sage, bud sage, pigmy sage, prickly pear, winterfat, shadscale, snakeweed, mahogany, greasewood, rabbit brush. Trees, pinion pine, and Utah Juniper.

Cultural Resource Surveys were performed by James A. Truesdale, an Independent Archaeologist.

5.0 ENVIRONMENTAL IMPACTS

A. SURFACE ALTERATIONS

	<u>acres</u>
1. Access road	1.09
2. Well site	1.43
3. Pipeline right-of-way	2.41
4. Corridor right-of-way	0.00
5. Total area disturbed	4.93

B. VEGETATION/LANDSCAPE

1. Production loss (AUM's)/year: 0.33
2. Permanent scar on landscape: Yes x No
3. Potential impacts to Threatened & Endangered species:
Yes No X

C. SOIL/RANGE/WATERSHED

There will be an increase in soil erosion from wind and water. There will not be any possible point source of water pollution.

The area is presently used as rangeland. In recent years the area has been permitted for livestock grazing, but at the present time no permits have been issued for the area. This project will reduce livestock grazing by approximately 0.33 AUM/year.

The area is not used as irrigated cropland and a water right has not been designated for the area.

D. WILDLIFE/THREATENED & ENDANGERED SPECIES

There will be an insignificant reduction of wildlife habitat and grazing for livestock. There will also be an increase in wildlife disturbance and poaching resulting from the additional traffic and people using the area.

There are no known impacts to Threatened or Endangered species but is important habitat for the Ferruginous hawk. The area is important winter range for big game.

Ferruginous Hawks use this area for nesting and hunting. There is an nest in Section 20.

6.0 MITIGATION STIPULATIONS

A. VEGETATION/LANDSCAPE

1. Before the site is abandoned the company will be required to restore the well site and right-of-ways to near their original state. The disturbed area will be reseeded with desirable perennial vegetation.
2. Noxious weeds will be controlled on the well site and rights-of-way. If noxious weeds spread from the project area onto adjoining land, the company will also be responsible for their control.

B. SOILS/RANGE/WATERSHEDS

1. Soil erosion will be mitigated by reseeded all disturbed areas.

2. SURFACE PIPELINES

Surface pipelines will be constructed to lay on the soil surface, and the right-of-way will not be bladed or cleared of vegetation.

Where surface pipelines do not parallel roads but cross country between stations, they shall be welded in place at well sites or on access roads and then pulled between stations with a suitable piece of equipment. Traffic will be restricted along these areas so that the pipeline right-of-way will not be used as an access road.

3. BURIED PIPELINES

Buried pipelines shall be buried a minimum of 3.0 feet below the soil surface. After construction of the pipeline is completed the disturbed area of the right-of-way shall be contoured to blend into the natural landscape, and it shall be reseeded with desirable vegetation.

Between September 15 and November 1 of the year following pipeline construction all disturbed areas shall be reseeded with perennial vegetation according to BIA, or Ute Tribe specifications.

4. CORRIDOR RIGHT-OF-WAY

A 75 foot wide corridor pipeline right-of-way will be used for, surface pipelines, buried pipelines.

5. ACCESS ROADS

Although the access road rights-of-way is 30 feet, the constructed travel width of the access road shall be limited to 22 feet, except it may be wider where sharp curves, or intersections are required.

6. DRILLING SYSTEM

An open drilling system will be used. Reserve pits will be lined with impervious synthetic liners. Prior to backfilling the reserve pit all fluids will be pumped from the pit into trucks and hauled to approved disposal sites. When the reserve pits are backfilled the surplus oil and mud, etc will be buried a minimum of 3.0 feet below the surface of the soil.

7. PRODUCTION SYSTEM

A closed production system will be used. Production fluids will be contained in leak proof tanks. All production fluids will be disposed of at approved disposal sites. The indiscriminate dumping of production fluids on roads, wellsites or other areas will not be allowed.

8. FIREWOOD

Firewood shall be stockpiled at convenient locations near the wellsite and along the access road.

C. WILDLIFE/VEGETATION/THREATENED & ENDANGERED SPECIES

Because the wellsite is located more than 1/2 mile from a Ferruginous hawk nest this wellsite may be constructed and drilled at any time throughout the year.

D. CULTURAL RESOURCES

Cultural resource surveys were performed by James A. Truesdale. The consultant recommends clearance of the project as it is presently staked.

E. UTE TRIBAL REGULATIONS

(1). Prior to commencing surveys or construction on the U&O Indian Reservation the operator, and any of its sub-contractors, shall acquire access permits and business permits from the Ute Indian Tribe.

(2). Prior to the commencement of construction, the operator shall notify the Ute Tribal Department of Energy and Minerals of the date construction shall begin.

7.0 UNAVOIDABLE ADVERSE IMPACTS

A. SURFACE ALTERATIONS

None of the adverse impacts listed in 5.0 above can be avoided in a practical manner except those which are mitigated in item 6.0 above and those specified in BLM's 13 point

surface use plan.

B. RELATIONSHIP BETWEEN SHORT-TERM USE OF THE ENVIRONMENT VS LONG TERM PRODUCTIVITY.

1. Short Term: (Estimated 20 years) A total loss of production on the land and the associated environmental impacts will continue to influence the surrounding area for the productive life of the well.
2. Long Term: Standard policies provide for rehabilitation of wellsite and rights-of-ways. After the land is rehabilitated, it is not expected to return to its original productive capability. Normally, there will be a permanent scar left on the landscape.

C. IRREVERSIBLE AND IRRETRIEVABLE COMMITMENT

Oil and Gas are non-renewable resources, once they have been removed they can never be replaced.

8.0 CUMULATIVE IMPACTS

A. FULL DEVELOPMENT

Each additional well drilled for development increases the soil erosion potential, reduces wildlife habitat and grazing, increases potential soil and geologic pollution resulting from salt loading, reduces the soil's potential to recover, and increases the potential of water pollution from produced waters and hydro-carbons. Therefore, strict conformance with the mitigation measures and recommendations in this document is emphasized to minimize the adverse environmental impacts.

9.0 NEPA COMPLIANCE

A. RESEARCH/DOCUMENTATION

Based on available information, 6-5-97, the proposed location in the following areas of environmental impacts has been cleared:

<u> X </u>	Yes	<u> </u>	No	Listed Threatened & Endangered species
<u> X </u>	Yes	<u> </u>	No	Critical wildlife habitat
<u> X </u>	Yes	<u> </u>	No	Historical and cultural resources

10.0 REMARKS

A. SURFACE PROTECTION/REHABILITATION

All essential surface protection and rehabilitation requirements are specified above.

11.1 RECOMMENDATIONS

A. APPROVAL/DISAPPROVAL

We recommend approval of the proposed action as outlined in item 1.0 above.

6-5-77

Date

Dale D. Hanberg
Representative - BIA Land
Operations, Uintah and Ouray
Agency

12.0 DECLARATION

A. APPROVAL

It has been determined that the proposed action is not a federal action significantly affecting the quality of the environment as it would require the preparation of an environmental impact statement in accordance with Section 102 (2) (c) of the National Environmental Policy Act of 1969 (42 USC 4331) (2) (C).

6/5/77

Date

Allen Floyd
Acting Superintendent,
Uintah and Ouray Agency

14.1 CONSULTATION

A. REPRESENTATIVES/ORGANIZATION

Dale Hanberg- BIA
Ed Trotter-Petroglyphs
Lonnie Nephi-UTEM
Greg Darlington-BLM

B:\EAPet07.09

CONDITIONS OF APPROVAL
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Petroglyph Operating Company

Well Name & Number: Ute Tribal 07-09

API Number: 43-013-31900

Lease Number: 14-20-H62-3506

Location: NESE Sec. 07 T. 5S R. 3W

NOTIFICATION REQUIREMENTS

- Location Construction - at least forty-eight (48) hours prior to construction of location and access roads.
- Location Completion - prior to moving on the drilling rig.
- Spud Notice - at least twenty-four (24) hours prior to spudding the well.
- Casing String and Cementing - at least twenty-four (24) hours prior to running casing and cementing all casing strings.
- BOP and Related Equipment Tests - at least twenty-four (24) hours prior to initiating pressure tests.
- First Production Notice - within five (5) business days after new well begins, or production resumes after well has been off production for more than ninety (90) days.

For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Orders, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative by the operator to insure compliance.

Be aware fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

A. DRILLING PROGRAM

1. Estimated Depth at Which Oil, Gas, Water, or Other Mineral Bearing Zones are Expected to be Encountered

Report **ALL** water shows and water-bearing sands to Tim Ingwell of this office **prior to setting the next casing string or requesting plugging orders**. Faxed copies of State of Utah form OGC-8-X are acceptable. If noticeable water flows are detected, submit samples to this office along with any water analyses conducted.

All usable water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

2. Pressure Control Equipment

The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc., for a **2M** system and individual components shall be operable as designed. Chart recorders shall be used for all pressure tests.

Test charts, with individual test results identified, shall be maintained on location while drilling and shall be made available to a BLM representative upon request.

If an air compressor is on location and is being utilized to provide air for the drilling medium while drilling, the special drilling requirements in Onshore Oil and Gas Order No. 2, regarding air or gas drilling shall be adhered to. If a mist system is being utilized then the requirement for a deduster shall be waived.

3. Casing Program and Auxiliary Equipment

Surface casing shall have centralizers on the bottom three joints, with a minimum of one centralizer per joint.

If conductor pipe is set it will be cemented to surface. If drive pipe is used it will be pulled prior to cementing surface casing.

As a minimum, the usable water and oil shale resources shall be isolated and/or protected via the cementing program. If gilsonite is encountered while drilling, it shall be isolated and/or protected via the cementing program.

4. Mud Program and Circulating Medium

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing, or completion operations.

No chromate additives will be used in the mud system on Federal and Indian lands without prior BLM approval to ensure adequate protection of fresh water aquifers.

5. Coring, Logging and Testing Program

Daily drilling and completion progress reports shall be submitted to this office on a weekly basis.

All Drill Stem tests (DST) shall be accomplished during daylight hours, unless specific approval to start during other hours is obtained from the AO. However, DSTs may be allowed to continue at night if the test was initiated during daylight hours and the rate of flow is stabilized and if adequate lighting is available (i.e., lighting which is adequate for visibility and vaporproof for safe operations). Packers can be released, but tripping should not begin before daylight unless prior approval is obtained from the AO.

The Gamma Ray and Induction Logs need to be pulled from TD to the Surface Shoe.

A cement bond log (CBL) will be run from the production casing shoe to **Top Of Cement** and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. One copy of all logs, core descriptions, core analyses, well-test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the AO.

6. Notifications of Operations

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the AO. If operations are to be suspended, prior approval of the AO will be obtained and notification given before resumption of operations.

The Vernal District Office shall be notified, during regular work hours (7:45 a.m.-4:30 p.m., Monday through Friday except holidays), at least 24 hours **prior** to spudding the well.

Operator shall report production data to MMS pursuant to 30 CFR 216.5 using form MMS/3160.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported in accordance with the requirements of NTL-3A or its revision.

If a replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed, for prior approval of the AO, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.

The date on which production is commenced or resumed will be construed for oil wells as the date on which liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which liquid hydrocarbons are first produced into a permanent storage facility, whichever first occurs; and, for gas wells as the date on which associated liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which gas is first measured through permanent metering facilities, whichever first occurs.

Should the well be successfully completed for production, the AO will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, not later than five (5) days following the date on which the well is placed on production.

Gas produced from this well may not be vented or flared beyond an initial authorized test period of 30 days or 50 MMCF following its completion, whichever occurs first, without the prior written approval of the Authorized Officer. Should gas be vented or flared without approval beyond the authorized test period, the operator may be directed to shut-in the well until the gas can be captured or approval to continue venting or flaring as uneconomic is granted and the operator shall be required to compensate the lessor for that portion of the gas vented or flared without approval which is determined to have been avoidably lost.

A schematic facilities diagram as required by 43 CFR 3162.7-5 (b.9. d.), and shall be submitted to the appropriate District Office within sixty (60) days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-5 (b. 4).

No well abandonment operations will be commenced without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the AO. A "Subsequent Report of Abandonment" Form 3160-5, will be filed with the AO within thirty (30) days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the AO or his representative, or the appropriate Surface Managing Agency.

7. Other Information

All loading lines will be placed inside the berm surrounding the tank battery.

All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the AO.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted following initial installation and at least quarterly thereafter. The AO will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the Vernal District Office. All meter measurement facilities will conform with Onshore Oil & Gas Order No. 4 for liquid hydrocarbons and Onshore Oil & Gas Order No. 5 for natural gas measurement.

The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

There will be no deviation from the proposed drilling and/or workover program without prior approval from the AO. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.

Section 102(b)(3) of the Federal Oil and Gas Royalty Management Act of 1982, as implemented by the applicable provisions of the operating regulations at Title 43 CFR 3162.4-1(c), requires that "not later than the 5th business day after any well begins production on which royalty is due anywhere on a lease site or allocated to a lease site, or resumes production in the case of a well which has been off production for more than 90 days, the operator shall notify the authorized officer by letter or sundry notice, Form 3160-5, or orally to be followed by a letter or sundry notice, of the date on which such production has begun or resumed."

If you fail to comply with this requirement in the manner and time allowed, you shall be liable for a civil penalty of up to \$10,000 per violation for each day such violation continues, not to exceed a maximum of 20 days. See Section 109(c)(3) of the Federal Oil and Gas Royalty Management Act of 1982 and the implementing regulations at Title 43 CFR 3162.4-1(b)(5)(ii).

APD approval is valid for a period of one (1) year from the signature date. An extension period may be granted, if requested, prior to the expiration of the original approval period.

In the event after-hours approval or notification is necessary, please contact one of the following individuals:

Wayne Bankert (801) 789-4170
Petroleum Engineer

Ed Forsman (801) 789-7077
Petroleum Engineer

Jerry Kenczka (801) 789-1190
Petroleum Engineer

BLM FAX Machine (801) 781-4410

EPA'S LIST OF NONEXEMPT EXPLORATION AND PRODUCTION WASTES

While the following wastes are nonexempt, they are not necessarily hazardous.

- Unused fracturing fluids or acids
- Gas plant cooling tower cleaning wastes
- Painting wastes
- Oil and gas service company wastes, such as empty drums, drum rinsate, vacuum truck rinsate, sandblast media, painting wastes, spent solvents, spilled chemicals, and waste acids
- Vacuum truck and drum rinsate from trucks and drums, transporting or containing nonexempt waste
- Refinery wastes
- Liquid and solid wastes generated by crude oil and tank bottom reclaimers
- Used equipment lubrication oils
- Waste compressor oil, filters, and blowdown
- Used hydraulic fluids
- Waste solvents
- Waste in transportation pipeline-related pits
- Caustic or acid cleaners
- Boiler cleaning wastes
- Boiler refractory bricks
- Incinerator ash
- Laboratory wastes
- Sanitary wastes
- Pesticide wastes
- Radioactive tracer wastes
- Drums, insulation and miscellaneous solids.

SURFACE CONDITIONS OF APPROVAL

The Surface Use Conditions of Approval all come from the Bureau of Indian Affairs Concurrence Memorandum and Site Specific Environmental Analysis.

The Ute Tribe Energy and Mineral Department is to be notified 48 hours prior to construction. A Tribal Technician is to monitor construction.

Fifty (75) foot wide Rights-Of-Way (ROWs) corridor shall be granted for the following:

Access roads which shall have constructed travel width limited to 30 feet, except as granted for sharp curves or intersections.

Surface pipelines shall be limited to 13 feet of the ROW. The pipeline will be constructed to lay on the soil surface, and the ROW for the pipeline will not be bladed or cleared of vegetation.

Where pipelines are constructed parallel to roads they may be welded on the road and then lifted from the road onto the ROW. Where pipelines cross country between stations, they shall be welded in place at wellsites or on roads and then pulled into place with suitable equipment. Traffic will be restricted along these areas so that the pipeline ROW will not be used as an access road.

Buried pipelines shall be buried a minimum of 3 feet below the soil surface within an area of disturbance limited to 15 feet wide, and construction will be monitored by a Tribal Technician.

Buried pipelines adjacent to access roads shall be buried within 1.5 feet from the outside edge of the barrow ditch. Any additional buried pipelines shall be parallel to the outer side of the first buried pipeline and shall be constructed as close to the first pipeline as safety requirements allow.

After construction of the buried pipeline is completed the disturbed area of the right-of-way shall be contoured to blend into the natural landscape and it shall be reseeded with desirable vegetation as recommended by the BIA. Between September 15 and November 1 of the year following pipeline construction all disturbed areas shall be reseeded with perennial vegetation according to BIA, or Ute Tribe specifications.

Petroglyph will assure the Ute Tribe that any/all contractors and subcontractors have acquired a Tribal Business License and have access permits prior to construction.

All vehicular traffic, personnel movement, construction, and restoration activities shall be confined to the areas examined, as referenced in report, and to the existing roadways and/or evaluated access routes.

All personnel should refrain from collecting artifacts and from disturbing any significant cultural resources in the area.

The Ute Tribe Energy & Mineral Department shall be consulted if cultural remains from subsurface deposits are exposed or identified during construction.

Before the site is abandoned, the company will be required to restore the well site and ROWs to near their original state. The disturbed areas will be reseeded with desirable perennial vegetation.

Noxious weeds will be controlled on the well site and rights-of-way. If noxious weeds spread from the project area onto adjoining land, the company will also be responsible for their control.

Reserve pits will be lined with impervious synthetic liners. Prior to backfilling the reserve pit all fluids will be pumped from the pit into trucks and hauled to approved disposal sites. When the reserve pits are backfilled the cuttings and mud, etc. left in them to be buried will be buried a minimum of three feet below the surface of the soil.

A closed production system will be used. Production fluids will be contained in leak proof tanks. All production fluids will be disposed of at approved disposal sites. The indiscriminate dumping of production fluids on roads, wellsites or other areas will not be allowed.

Firewood shall be stockpiled at convenient locations near the wellsite and along the access road.

Upon completion of the project approved under this Application for Permit to Drill and Right-of-way, the Ute Tribe Energy & Minerals Resources Department will be notified by Petroglyph Operating Company so that a Tribal Technician can verify Affidavit of Completion's.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐

b. TYPE OF WELL

OIL
WELL ☒GAS
WELL ☐OTHER ☐SINGLE
ZONE ☐MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

PETROGLYPH OPERATING COMPANY, INC.

3. ADDRESS AND TELEPHONE NO.

P.O. BOX 607, ROOSEVELT, UTAH 84066

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)

At surface

1937' FSL & 570' FEL NE/SE

At proposed prod. zone

CONFIDENTIAL

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

17.5 MILES SOUTHWEST OF MYTON, UTAH

10. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

570'

16. NO. OF ACRES IN LEASE

640

17. NO. OF ACRES ASSIGNED
TO THIS WELL

.80

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

5937'

20. ROTARY OR CABLE TOOLS

ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5953.6' GRADED GROUND

22. APPROX. DATE WORK WILL START*

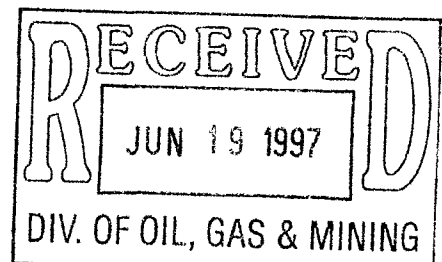
JUNE 1997

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	8 5/8	24.0#	250'	135 sx class "G" + 2% CaCl ₂
7 7/8	5 1/2	15.5#	5937'	+ 1/4 #/sx celloflake.
				50/50 POZMIX + 2% GEL + 10% SALT TO 400' ABOVE ALL ZONE OF INTEREST (+ 10% EXCESS). LIGHT CEMENT (11 PPG+) + LCM TO 200' ABOVE OIL SHALE OR FRESH WATER INTERVALS (+ 5% EXCESS).

CONFIDENTIAL

PETROGLYPH OPERATING COMPANY, INC. WILL BE THE DESIGNATED
OPERATOR OF THE SUBJECT WELL UNDER BOND #4556.pc: Utah Division of Oil, Gas, and Mining
Bureau of Indian Affairs, Fort Duchesne, Utah
Ute Tribe, Fort Duchesne, Utah

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

TITLE

AGENT FOR PETROGLYPH

DATE

6-10-97

(This space for Federal or State office use)

PERMIT NO.

43-013-31900

APPROVAL DATE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY

TITLE

Petroleum Engineer

DATE

6/30/97

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

R
4
W

T5S, R3W, U.S.B.&M.

S89°54'E - 79.82 (G.L.O.)

NORTH - (G.L.O.)

N00°01'E - (G.L.O.)

2643.30' (Meas.)

N00°12'52"E

N00°01'E - G.L.O. (Basis of Bearings)
2632.92' - (Measured)

Set Stone
Pile of Stones

5/8" Rebar
Pile of Stones
Steel Post

UTE TRIBAL #07-09
Elev. Ungraded Ground - 5959'

570'

1937'

Corner Established
by Bearing Trees
Information (Not
Set on Ground)

Set Stone

Set Marked Stone
Pile of Stones

N89°56'06"W 2485.89' (Meas.)

S89°59'41"W 2776.25' (Meas.)

LEGEND:

└─┘ = 90° SYMBOL

● = PROPOSED WELL HEAD.

▲ = SECTION CORNERS LOCATED.

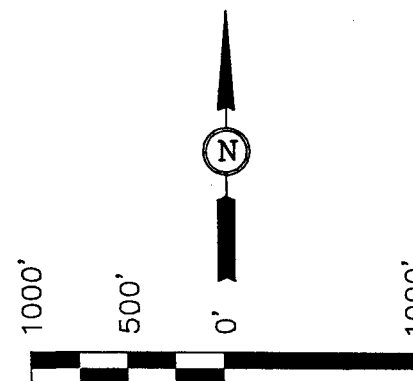
△ = SECTION CORNERS ESTABLISHED
BY BEARING TREES INFORMATION
(Not Set on Ground)

PETROGLYPH OPERATING CO., INC.

Well Location, UTE TRIBAL #07-09, located
is shown in the NE 1/4 SE 1/4 of Section
7, T5S, R3W, U.S.B.&M. Duchesne County, Utah.

BASIS OF ELEVATION

BRASS CAP SET IN CONCRETE BY SUNRISE ENGINEERING
LOCATED IN THE SE 1/4 OF SECTION 8, T5S, R3W,
U.S.B.&M. SAID ELEVATION IS MARKED AS BEING 6191.3
FEET.



SCALE

CERTIFICATE

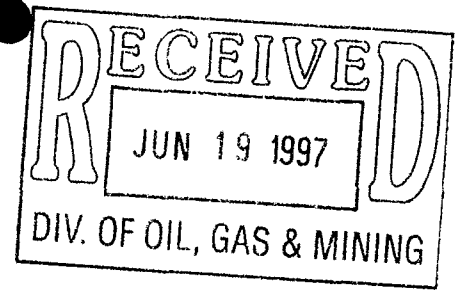
THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM
FIELD NOTES OF ACTUAL SURVEY MADE BY ME OR UNDER MY
SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE
BEST OF MY KNOWLEDGE AND BELIEF.

ROBERT L. KAY
REGISTERED LAND SURVEYOR
REGISTRATION NO. 161079
STATE OF UTAH

UNTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST - VERNAL, UTAH 84078
(801) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 05-27-97	DATE DRAWN: 05-30-97
PARTY D.A. K.H. D.R.B.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE PETROGLYPH OPERATING CO., INC.	

Petroglyph Operating Co., Inc.
P.O. Box 1839
Hutchinson, KS 67504-1839



June 5, 1997

Utah Division of Oil, Gas, & Mining
1594 West North Temple
Box 145801
Salt Lake City, UT 84114-5801

RE: APPLICATION FOR PERMIT TO DRILL
UTE TRIBAL #07-09
NE/SE SEC. 7, T5S, R3W
DUCHESNE COUNTY, UTAH
LEASE NO. BIA 14-20-H62-3506
UTE TRIBAL LANDS

Enclosed please find a copy of the Application for Permit to Drill and associated attachments for the referenced well.

Please address further communication regarding this matter (including approval) to:

Ed Trotter
P.O. Box 1910
Vernal, UT 84078
Phone # (801) 789-4120
Fax # (801) 789-1420

Sincerely,

A handwritten signature in cursive script, appearing to read "Ed Trotter".

Ed Trotter
Agent

Petroglyph Operating Co., Inc.

Attachments

/EHT/dmt

EIGHT POINT PLAN

UTE TRIBAL #07-09
NE/SE, SEC. 7, T5S R3W
DUCHESNE COUNTY, UTAH

1. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

FORMATIONS	DEPTH	SUBSEA
Mahogany Shale	2725	3244
"X" Marker	4332	1637
Douglas Creek	4472	1497
"B" Limestone	4864	1105
B/Castle Peak Limestone	5409	560
Basal Carbonate Limestone	5827	142
Total Depth	5937	32

Anticipated BHP 2000 psi

2. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS FORMATIONS:

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>	<u>Subsea</u>
Oil/Gas	Douglas Creek	4472	1497
Oil/Gas	B/Castle Peak	5409	560
Other mineral zones	N/A		

3. PRESSURE CONTROL EQUIPMENT : BOP Schematic Diagram attached.

4. CASING PROGRAM :

						<u>MINIMUM SAFETY FACTOR</u>		
<u>HOLE SIZE</u>	<u>INTERVAL</u>	<u>LENGTH</u>	<u>SIZE</u>	<u>WEIGHT</u>	<u>GRADE</u>	<u>COLLAPSE</u>	<u>BURST</u>	<u>TENSILE</u>
12 1/4	0' - 250'	250'	8 5/8	24.0 #	J-55	1370 PSI	2950 PSI	263,000#
7 7/8	0 - 5937'	5937'	5 1/2	15.5 #	M-50	3650 PSI	4550 PSI	186,000#

All casing will be new or inspected.

EIGHT POINT PLAN

UTE TRIBAL #07-09
NE/SE, SEC. 7, T5S R3W
DUCHESNE COUNTY, UTAH

5. MUD PROGRAM

INTERVAL

0' - 250'
250' - 4000'
4000' - TD
TD

MUD TYPE

Air
Air/Mist & Aerated Water
Air/3% KCL water or KCL substitute
Gel/polyacrylamide polymer w/5-10% LCM

Sufficient mud inventory will be maintained on location during drilling to handle any adverse conditions that may arise.

6. VARIANCE REQUESTS:

- A. Petroglyph Operating Co., Inc. requests a variance to regulations requiring a straight run blooie line.
- B. Petroglyph Operating Co., Inc. requests a variance to regulations requiring an automatic ignitor or continuous pilot light on the blooie line.

7. EVALUATION PROGRAM:

Logs: Mud Logging	T.D. to base of surface csg.
Compensated Density-Compensated Neutron Log	T.D. to base of surface csg.
Dual Laterolog - Micro-SFL	T.D. to base of surface csg.
Numar (Magnetic Resonance Imaging Log)	@ Geologists discretion

Cores: None Programmed
DST: None Programmed

Completion: To be submitted at a later date.

8. ABNORMAL CONDITIONS:

None anticipated.

EIGHT POINT PLAN

UTE TRIBAL #07-09
NE/SE, SEC. 7, T5S R3W
DUCHESNE COUNTY, UTAH

9. STANDARD REQUIRED EQUIPMENT:

- A. Choke Manifold
- B. Kelly Cock
- C. Stabbing Valve
- D. Visual Mud Monitoring

10. HAZARDOUS CHEMICALS:

No chemicals subject to reporting under SARA title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling of this well.

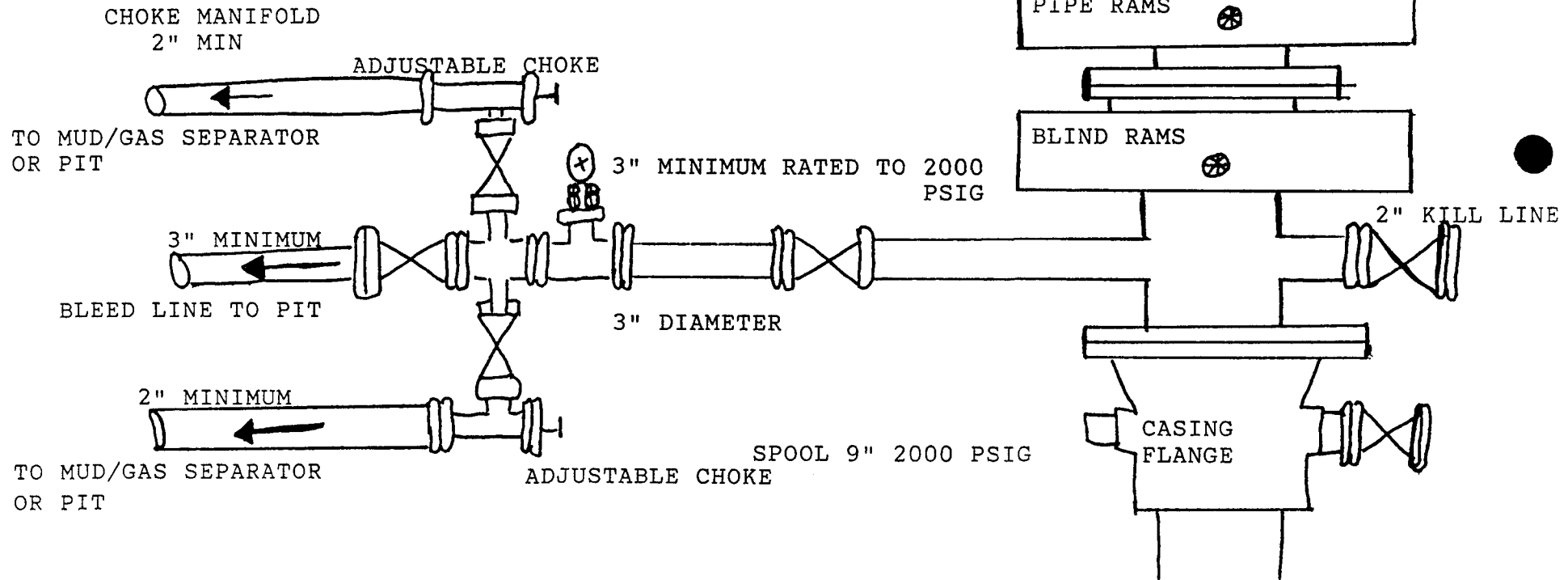
(Attachment: BOP Schematic Diagram)

2000 PSIG DIAGRAM

BOTH RAMS ARE 2000 PSIG RATED.
CASING FLANGE IS 9" 2000 PSIG RATED.
BOPE 9" 2000 PSIG

TESTING PROCEDURE:

1. BOPE 's will be tested with a professional tester to conform to Onshore Order #2 with retest every 14 days.
2. Blind rams will be tested to rated working pressure, 2000 psig
3. Casing will be tested to 0.22 psi/ft. or 1500 psig. Not to exceed 70% of burst strength, whichever is greater.
4. All lines subject to well pressure will be pressure tested to the same pressure as blind & pipe rams.
5. All BOPE specifications and configurations will meet Onshore Order #2 requirements for 2000 psig BOPE specifications.



CONDITIONS OF APPROVAL
FOR THE SURFACE USE PROGRAM OF THE
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Petroglyph Operating Co., Inc.
Well Name & Number: Ute Tribal #07-09
Lease Number: BIA 14-20-H62-3506
Location: 1937' FSL & 570' FEL NE/SE, Sec. 7, T5S R3W
U.S.B.&M., Duchesne County, Utah
Surface Ownership: Ute Indian Tribe

NOTIFICATION REQUIREMENTS

Location Construction - forty-eight (48) hours prior to construction of location and access roads.

Location Completion - prior to moving on the drilling rig.

Spud Notice - at least twenty-four (24) hours prior to spudding the well.

Casing String and Cementing - twenty-four (24) hours prior to running casing and cementing all casing strings.

BOP and related Equipment Tests - twenty-four (24) hours prior to running casing and tests.

First Production Notice - within five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

For more specific details on notification requirements, please check the Conditions of Approval for Notice To Drill and Surface Use Program.

THIRTEEN POINT SURFACE USE PROGRAM

1. EXISTING ROADS

- A. See attached Wellsite Plats showing directional reference stakes on location, and attached TOPO Map "B" showing access to location from existing road.
- B. The proposed well site is located approximately 17.5 miles southwest of Myton, Utah - See attached TOPO Map "A".
- C. Refer to attached Topographic Map "A" showing labeled access route to location.
- D. Existing roads will be maintained and repaired as necessary. No off lease Right-of-Way will be required.

2. PLANNED ACCESS ROAD

- A. The access road will be approximately 0.3 miles in length. See attached TOPO Map "B".
- B. The access road has a 30 foot ROW w/18 foot running surface.
- C. Maximum grade on access road will be 8%
- D. No turnouts will be required.
- E. Road drainage crossings shall be of the typical dry creek drainage crossing type.
- F. No culverts, bridges or major cuts & fills will be required.
- G. The access road will be dirt surface.
- H. No gates, cattleguards or fences will be required or encountered.

New or reconstructed roads will be centerlined - flagged at time of location staking.

All travel will be confined to existing access road Right-of-Way. Access roads and surface disturbing activities will conform to standards outlined in the Bureau of Land Management and Forest Service Publication: Surface Operating Standards For Oil & Gas Exploration and Development, (1989).

The road shall be upgraded to meet the standards of the anticipated traffic flow and all-weather road requirements. Upgrading shall include ditching, drainage, graveling, crowning, and capping the

roadbed as necessary to provide a well-constructed safe road.

Prior to upgrading, the road shall be cleared of any snow cover and allowed to dry completely. Traveling off the 30 foot Right-of- Way will not be allowed.

Road drainage crossings shall be of the typical dry creek drainage crossing type. Crossings shall be designed so they will not cause siltation or accumulation of debris in the drainage crossings nor shall the drainages be blocked by the roadbed. Erosion of drainage ditches by run off water shall be prevented by diverting water off at frequent intervals by means of cutouts. Upgrading shall not be allowed during muddy conditions. Should mud holes develop, they shall be filled in and detours around them avoided.

As operator, Petroglyph Operating Co., Inc. shall be responsible for all maintenance on cattleguards, or gates associated with this oil and/or gas operation.

3. LOCATION OF EXISTING WELLS WITHIN A ONE MILE RADIUS OF PROPOSED WELL LOCATION

- A. Water wells - 1*
- B. Abandoned wells - None
- C. Temporarily abandoned wells - None.
- D. Disposal wells - None.
- E. Drilling wells - None.
- F. Producing wells - 18*
- G. Shut in wells - 3*
- H. Injection wells - 1*

(*See attached TOPO map "C" for location)

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

A. ON WELL PAD

- 1. Tank batteries - None
- 2. Production facilities-To be submitted later
- 3. Oil gathering lines - None

4. Gas gathering lines-None
5. Injection lines - None
6. Disposal lines - None
7. Surface pits - None

B. OFF WELL PAD

1. Proposed location of attendant off pad flowlines shall be flagged prior to archaeological clearance.
2. A 4 1/2" OD steel above ground production pipeline will be laid approximately 1400' from proposed location to a point in the NW/SW of Section 8, T5S, R3W, where it will tie into Petroglyph Operating Co., Inc.'s existing pipeline. Proposed pipeline crosses Ute Tribe lands, thus a Right-of-Way grant will be required. See attached TOPO Map D showing pipeline route.
3. Proposed pipeline will be a 4 1/2" OD steel, welded line laid on the surface.
4. Protective measures and devices for livestock and wildlife will be taken and/or installed where required.

If storage facilities/tank batteries are constructed on this lease, the facility/battery or the well pad shall be surrounded by a containment dike of sufficient capacity to contain, at a minimum, the entire contents of the largest tank within the facility/battery, unless more stringent protective requirements are deemed necessary by the authorized officer.

The production facilities will be placed on the North side of the location.

All permanent (on site for six months or longer) structures constructed or installed (including pumping units) will be painted a flat, non-reflective, earthtone color to match one of the standard environmental colors, as determined by the Rocky Mountain Five State Interagency Committee. All facilities required will be painted within 6 months of installation. Facilities required to comply with O.S.H.A.

(Occupational Safety and Health Act) will be excluded.
The required paint color is Desert Brown.

5. LOCATION & TYPE OF WATER SUPPLY

- A. Water supply will be from Target Trucking's Roosevelt Brine Storage and/or Target's water source in SE 1/4, Sec. 1, T 4S, R 5W Duchesne County, Utah (State water right #43-10152). All water will come from a non-depletable source.
- B. Water will be hauled by Target Trucking.
- C. No water well will be drilled on lease.

6. SOURCE OF CONSTRUCTION MATERIAL

- A. All construction material for this location and access road will be of native borrow and soil accumulated during the construction of location.
- B. All construction material will come from Ute Tribal Land.
- C. No mineral materials will be required.

7. METHODS OF HANDLING WASTE DISPOSAL

A. METHODS AND LOCATION

- 1. Cuttings will be confined in the reserve pit.
- 2. A portable toilet will be provided for human waste during the drilling and completion of the well. Disposal will be at the Vernal sewage disposal plant.
- 3. Burning will not be allowed. Trash and other waste material will be contained in a wire mesh cage and disposed of at an approved waste disposal facility.
- 4. Produced waste water will be confined to a lined pit or storage tank for a period not to exceed 90 days after initial production. During the 90 day period, an application for approval of a permanent disposal method and location, together with the required water analysis, will be submitted for the AO's approval.

5. All chemicals will be disposed of at an authorized disposal site. Drip pans and absorbent pads will be used on drilling rig to avoid leakage of oil to pit.

B. Water from drilling fluids and recovered during testing operations will be disposed of by either evaporating in reserve pit or be removed and disposed of at an authorized disposal site. Introduction of well bore hydrocarbons to reserve pit will be avoided by flaring them off in flare pit at time of recovery.

Burning of trash will not be allowed. All trash must be contained in a trash cage and hauled away to an approved disposal site at the completion of the drilling activities.

On BIA administered land:

All reserve pits will be lined with either native clay, commercial bentonite or plastic sufficient to prevent seepage. (If a plastic nylon reinforced liner is used, it shall be torn and perforated after the pit dries and before backfilling of the reserve pit).

A 12 mill liner shall be installed in the reserve pit.

___ To protect the environment:

If the reserve pit is lined the operator will provide the BIA with a chemical analysis of the fluids in that pit no later than 90 days after the well completion to determine the method for final reclamation of the reserve pit. If the elemental concentrations shown by the chemical analysis exceeds the requirements described by part II, Standards of Quality for Waters of the State, Wastewater Disposal Regulations, State of Utah Division of Health, the contents and liner will be removed and disposed of at an authorized disposal site.

___ To protect the environment (without a chemical analysis)
reserve pits will be constructed so as not to leak, break, or allow discharge of liquids.

___ Storage tanks will be used if drill sites are located on tribal

irrigable land, flood plains, or on lands under crop production. After first production, produced waste water will be confined to a lined pit or storage tank for a period not to exceed ninety (90) days. During the 90 day period, in accordance with NTL-2B, an application for approval of a permanent disposal method and location, along with required water analysis, shall be submitted for the AO's approval. Failure to file an application within the time allowed will be considered an incident of noncompliance.

8. ANCILLARY FACILITIES

- A. No airstrips or camps are planned for this well.

9. WELL SITE LAYOUT

- A. Refer to attached well site plat for related topography cuts and fills & cross sections.
- B. Refer to attached well site plat for rig layout and soil material stockpile location as approved on On-site.
- C. Refer to attached well site plat for rig orientation parking areas, and access road.

The reserve pit will be located on the South side of the location.

The flare pit will be located downwind of the prevailing wind direction on the South side of the location, a minimum of 100 feet from the well head and 30 feet from the reserve pit fence.

The stockpiled topsoil will be stored on the West end.

Access to the well pad will be from the East.

N/A Diversion ditch(es) shall be constructed on the _____ side of the location (above/below) the cut slope, draining to the _____

N/A Soil compacted earthen berm(s) shall be placed on the _____ side(s) of the location between the _____

N/A The drainage(s) shall be diverted around the sides of the well pad location.

N/A The reserve pit and/or pad locations shall be constructed long and narrow for topographic reasons _____

X Corners No. 2, 6, & 8 will be rounded off to minimize excavation.

FENCING REQUIREMENTS

All pits will be fenced according to the following minimum standards:

- A. 39 inch net wire shall be used with at least one strand of barbed wire on top of the net wire. (barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence).
- B. The net wire shall be no more than 2 inches above the ground. The barbed wire strand shall be 3 inches above the net wire. Total height of the fence shall be at least 42 inches.
- C. Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.
- D. Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than 16'.
- E. All wire shall be stretched by using a stretching device before it is attached to the corner posts.

The reserve pit fencing will be on the three sides during drilling operations and on the fourth side when the rig moves off the location. Pits will be fenced and maintained until clean-up.

Each existing fence to be crossed by the access road shall be braced and tied off before cutting so as to prevent slacking of the wire. The opening shall be closed temporarily as necessary during construction to prevent the escape of livestock, and upon completion of construction the fence shall be repaired to BIA or SMA specifications. A cattleguard with an adjacent 16 foot gate shall be installed in any fence where a road is to be regularly travelled. If the well is a producer, the cattleguards (shall/ shall not) be permanently mounted on concrete bases. Prior to a new road, crossing any fence located on federal land, or any fence between federal land and private land, the operator will contact the BIA, who will in turn contact the grazing permittee or owner of said fence and offer him/her the opportunity to be present when the fence is cut in order to

satisfy himself/herself that the fence is adequately braced and tied off.

10. PLANS FOR RESTORATION OF SURFACE

A. PRODUCING LOCATION

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, materials, trash, and junk not required for production.

Immediately upon well completion, any hydrocarbons on the pit shall be removed in accordance with CFR 3162.7-1.

If a plastic nylon reinforced liner is used, it shall be torn and perforated before backfilling of the reserve pit.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximate natural contours. The reserve pit will be reclaimed within 120 days from the date of well completion (weather permitting). Before any dirt work takes place, the reserve pit will be completely dry and all cans, barrels, pipe, fluid, and hydrocarbons, will be removed.

Contact appropriate surface management agency for required seed mixture.

B. DRY HOLE/ABANDONED LOCATION

At such time as the well is plugged and abandoned, the operator will submit a subsequent report of abandonment and BIA will attach the appropriate surface rehabilitation conditions of approval.

ON BIA Administered lands:

Abandoned well sites, roads, or other disturbed areas will be restored to near their original condition. This procedure will include: (a) reestablishing irrigation systems where applicable, (b) reestablishing soil conditions in irrigated fields in such a way as to ensure cultivation and harvesting of crops and, (c) ensuring revegetation of the disturbed areas to the specifications of the Ute Indian Tribe or the BIA at the time of abandonment.

11. SURFACE OWNERSHIP

Access road: Ute Indian Tribe

Location: Ute Indian Tribe

12. OTHER INFORMATION

- A. Petroglyph Operating Co., Inc. will inform all persons in the area who are associated with this project that they are subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator will immediately stop work that might further disturb such materials, and contact the AO. Within five working days the AO will inform the operator as to:
- whether the materials appear eligible for the National Register of historic Places;

the mitigation measures the operator will likely have to undertake before the site can be used.

-a time frame for the AO to complete an expedited review under 36 CFR 800.11 to confirm, through the State Historic Preservation Officer, that the findings of the AO are correct and that mitigation is appropriate.

If the operator wished, at any time, to relocate activities to avoid the expense of mitigation and/or the delays associated with this process, the AO will assume responsibility for whatever recordation and stabilization of the exposed materials that may be required. Otherwise, the operator will be responsible for mitigation costs. The AO will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the AO that required mitigation has been completed, the operator will then be allowed to resume construction.

- B. As operator, Petroglyph Operating Co., Inc. will control noxious weeds along Right-of-Ways for roads, pipelines, well sites, or other applicable facilities. A list of noxious weeds will be obtained from the BIA,

or the appropriate County Extension Office. On BIA administered land, a Pesticide Use proposal shall be submitted, and given approval, prior to the application of herbicides or other pesticides or possible hazardous chemicals.

- C. Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on Tribal Lands after the conclusion of drilling operations or at any other time without BIA authorization. However, if BIA authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities.

On BIA administered land:

Operator's employees, including subcontractors, will not gather firewood along roads constructed by operators. If wood cutting is required, a permit will be obtained from the Forestry Department of the BIA pursuant to 25 CFR 169.13 "Assessed Damages Incident to Right-of-Way authorization". All operators, subcontractors, vendors, and their employees or agents may not disturb saleable timber (including firewood) without a duly granted wood permit from the BIA Forester.

If the surface rights are owned by the Ute Indian Tribe and mineral rights are owned by another entity, an approved right-of-way will be obtained from the BIA before the operator begins any construction activities. If the surface is owned by another entity and the mineral rights are owned by the Ute Indian Tribe, rights-of-way will be obtained from the other entity.

All roads constructed by operators on the Uintah and Ouray Indian Reservation will have appropriate signs. Signs will be neat and of sound construction. They will state: (a) that the land is owned by the Ute Indian Tribe, (b) the name of the operator, (c) that firearms are prohibited to all non-Ute Tribal members (d) that permits must be obtained from the BIA before cutting firewood or other timber products, and (e) only authorized personnel permitted. All well site locations on the Uintah and Ouray Indian Reservation will have an appropriate sign indicating the name of the operator,

the lease serial number, the well name and number, the survey description of the well (either footage or the quarter-quarter section, the section, township, and range).

Additional Surface Stipulations

N/A No construction or drilling activities shall be conducted between

_____ and _____ because of _____

N/A No surface occupancy will be allowed within 1,000 feet of any sage grouse strutting ground.

N/A No construction or exploration activities are permitted within 1.5 mile radius of sage grouse strutting grounds from April 1 to June 30.

N/A There shall be no surface disturbance within 600 feet of live water (includes stock tanks, springs, and guzzlers).

N/A No cottonwood trees will be removed or damaged.

N/A Pond will be constructed according to BLM specifications approximately _____ ft. _____ of the location, as flagged on onsite.

LESSEE'S OR OPERATOR'S REPRESENTATIVE AND CERTIFICATION

PERMITTING

Ed Trotter

1620 West 750 North

Vernal UT 84078

Telephone # (801)789-4120

Fax # (801) 789-1420

OPERATIONS

Vince Guinn

P.O. Box 607

Roosevelt, UT 84066

(801) 722-2531

Fax # (801) 722-9145

All lease/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approval plan of operations, and any applicable Notice to Lessees. Petroglyph Operating Co., Inc. is fully responsible for the actions of their subcontractors. A copy of these conditions will be furnished to the field representative to insure compliance.

A copy of the approved APD and ROW grant, if applicable, shall be on location during construction of the location and drilling activities.

The BIA Office shall be notified upon site completion prior to moving on the drilling rig.

Certification:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in the Plan are to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Petroglyph Operating Co., Inc. and its contractors and sub-contractors in conformity with this Plan and the terms and conditions under which it is approved.

6-10-97

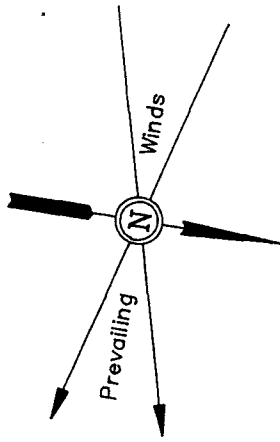
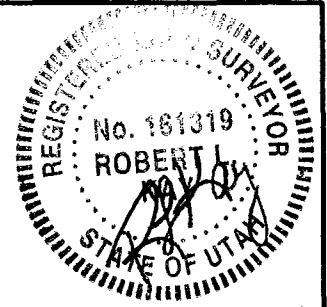
Date

Ed L. Smith

PETROGLYPH OPERATING CO., INC.

LOCATION LAYOUT FOR

UTE TRIBAL #07-09
SECTION 7, T5S, R3W, U.S.B.&M.
1937' FSL 570' FEL



SCALE: 1" = 50'
DATE: 05-30-97
Drawn By: D.R.B.

NOTE:

Flare Pit is to be located a min. of 100' from the Well Head.

FLARE PIT

NOTE:
Pit Capacity W/2' of Freeboard is $\pm 4,600$ Bbls.

Reserve Pit Backfill & Spoils Stockpile

10' WIDE BENCH

RESERVE PITS (8' Deep)

1 1/2:1 Slope

Sta. 0+67

Approx. Top of Cut Slope

Round Corners as Needed

PIPE RACKS

CATWALK 125'

40'

RIG

DOG HOUSE

PUMP

MUD SHED

HOPPER

POWER

TOOLS

FUEL

TOILET

FUEL

STORAGE TANK

TRASH

TRAILER

Sta. 2+90

Sta. 1+65

Approx. Toe of Fill Slope

Sta. 0+00

Elev. Ungraded Ground at Location Stake = 5959.3'

Elev. Graded Ground at Location Stake = 5953.6'

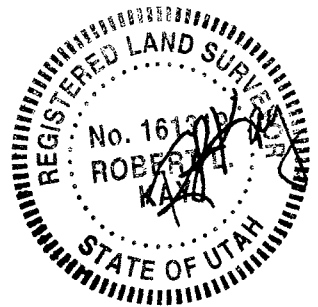
Proposed Access Road

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (801) 789-1017

PETROGLYPH OPERATING CO., INC.

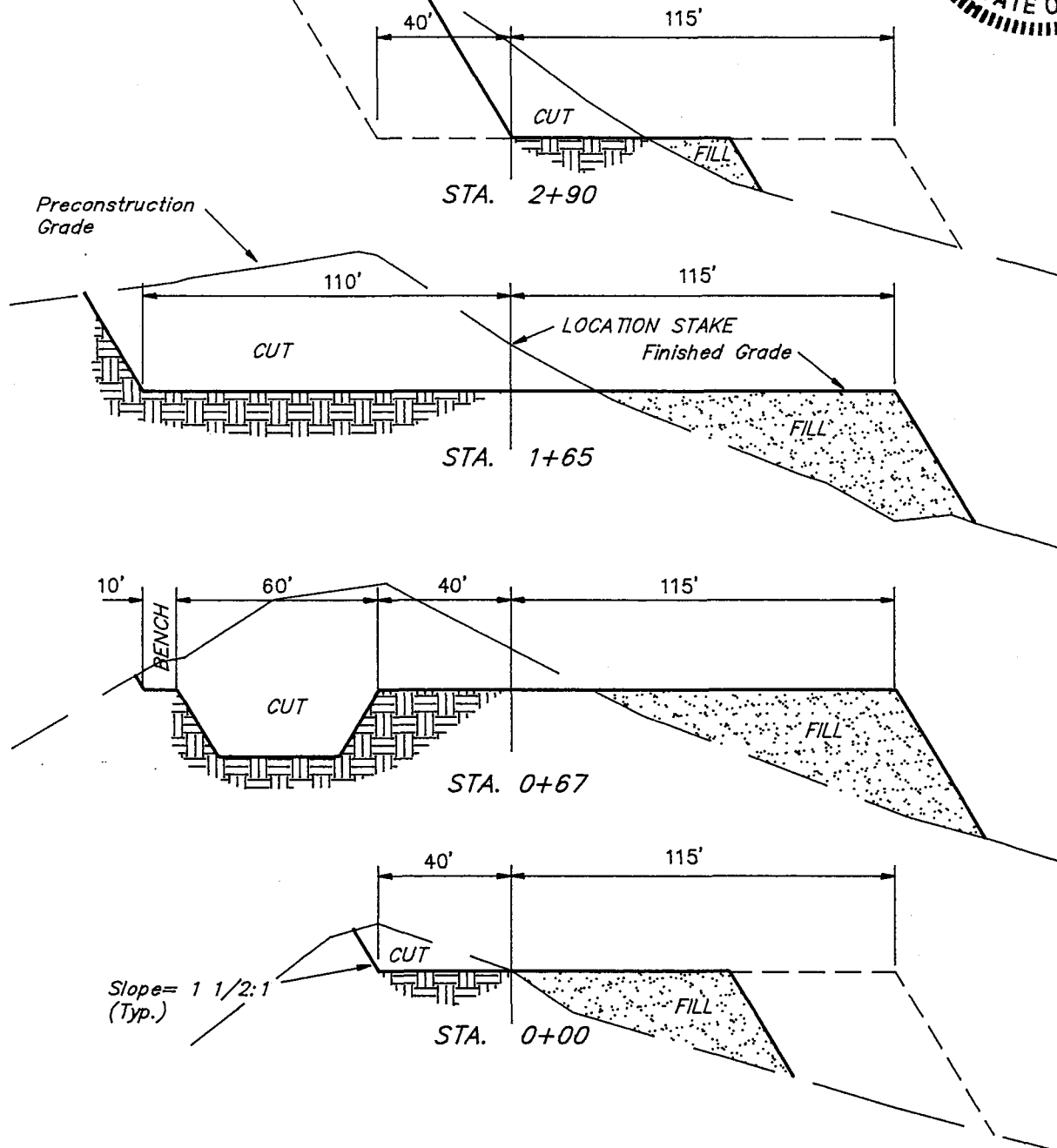
TYPICAL CROSS SECTIONS FOR

UTE TRIBAL #07-09
SECTION 7, T5S, R3W, U.S.B.&M.
1937' FSL 570' FEL



1" = 20'
X-Section
Scale
1" = 50'

DATE: 05-30-97
Drawn By: D.R.B.

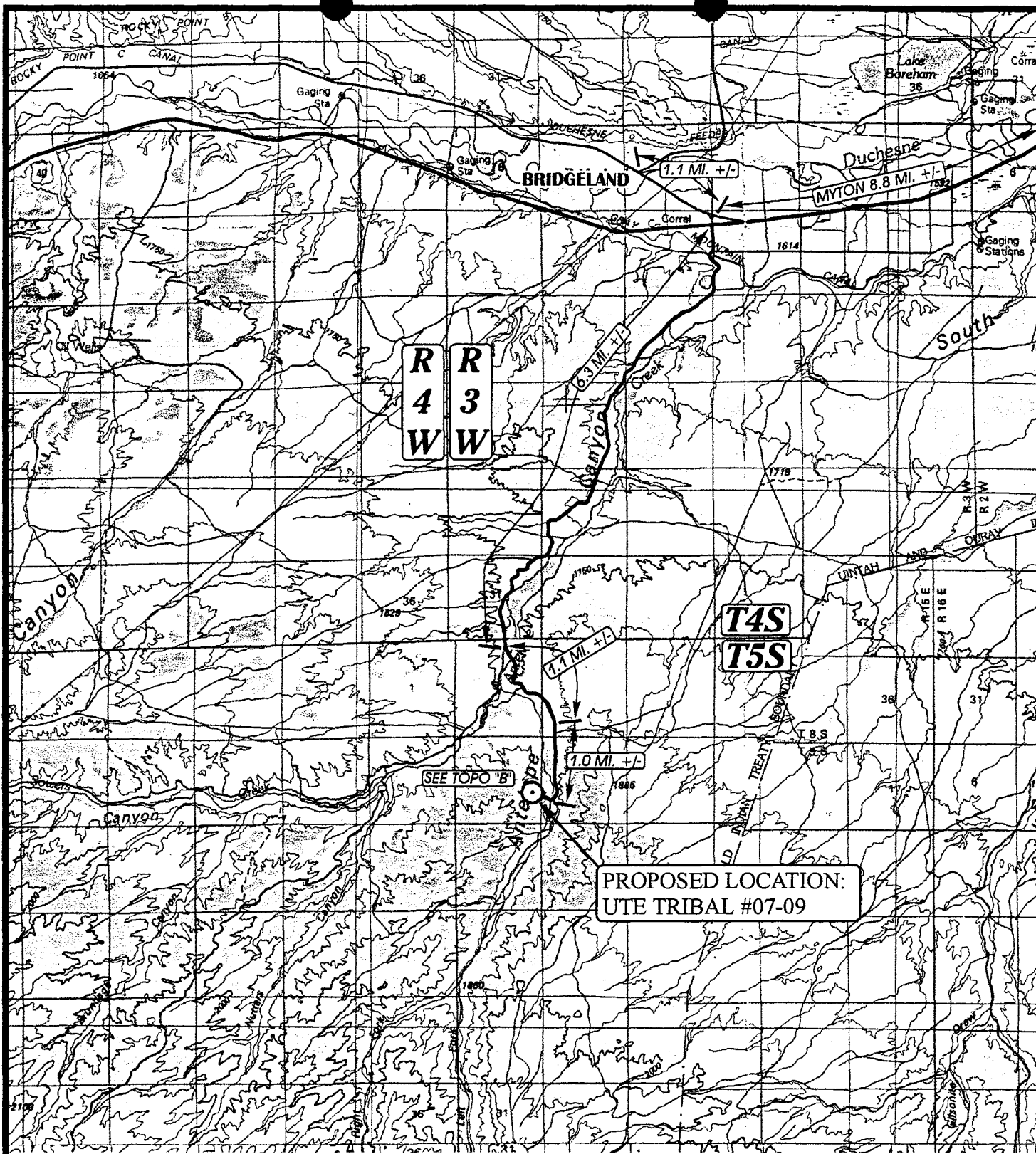


APPROXIMATE YARDAGES

(12") Topsoil Stripping = 1,910 Cu. Yds.
Remaining Location = 11,300 Cu. Yds.
TOTAL CUT = 13,210 CU.YDS.
FILL = 10,070 CU.YDS.

EXCESS MATERIAL AFTER
5% COMPACTION = 2,610 Cu. Yds.
Topsoil & Pit Backfill
(1/2 Pit Vol.) = 2,610 Cu. Yds.
EXCESS UNBALANCE = 0 Cu. Yds.
(After Rehabilitation)

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (801) 789-1017



LEGEND:

⊙ PROPOSED LOCATION

N

PETROGLYPH OPERATING CO., INC.

UTE TRIBAL #07-09

SECTION 7, T5S, R3W, U.S.B.&M.

1937' FSL 570' FEL



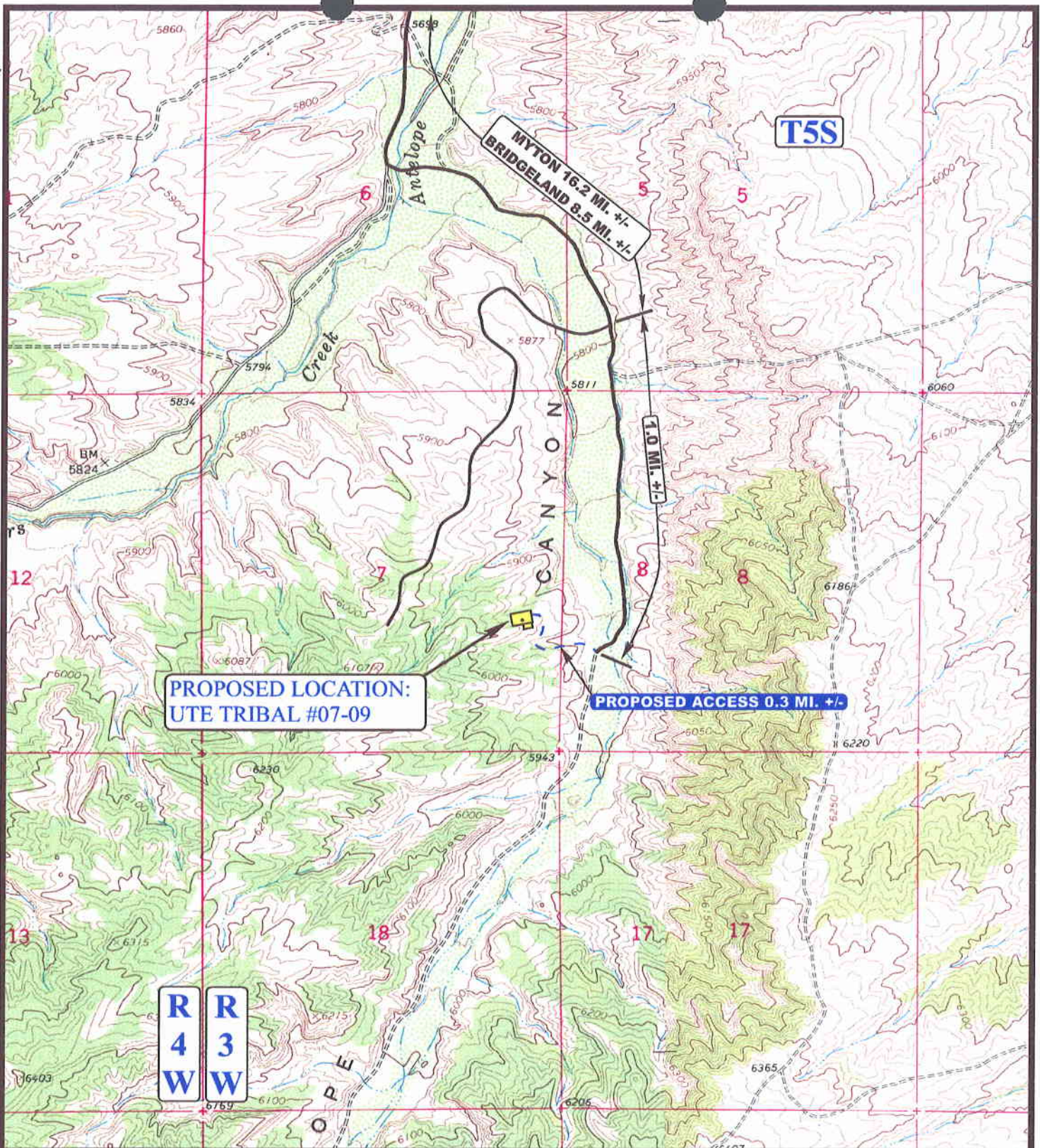
Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (801) 789-1017 * FAX (801) 789-1018
 Email: uels@easilink.com

TOPOGRAPHIC
MAP

6 **1** **97**
 MONTH DAY YEAR

SCALE: 1:100,000 DRAWN BY: J.L.G. REVISED: 00-00-00





LEGEND:

----- PROPOSED ACCESS ROAD
 _____ EXISTING ROAD

PETROGLYPH OPERATING CO., INC.

UTE TRIBAL #07-09
 SECTION 7, T5S, R3W, U.S.B.&M.
 1937' FSL 570' FEL



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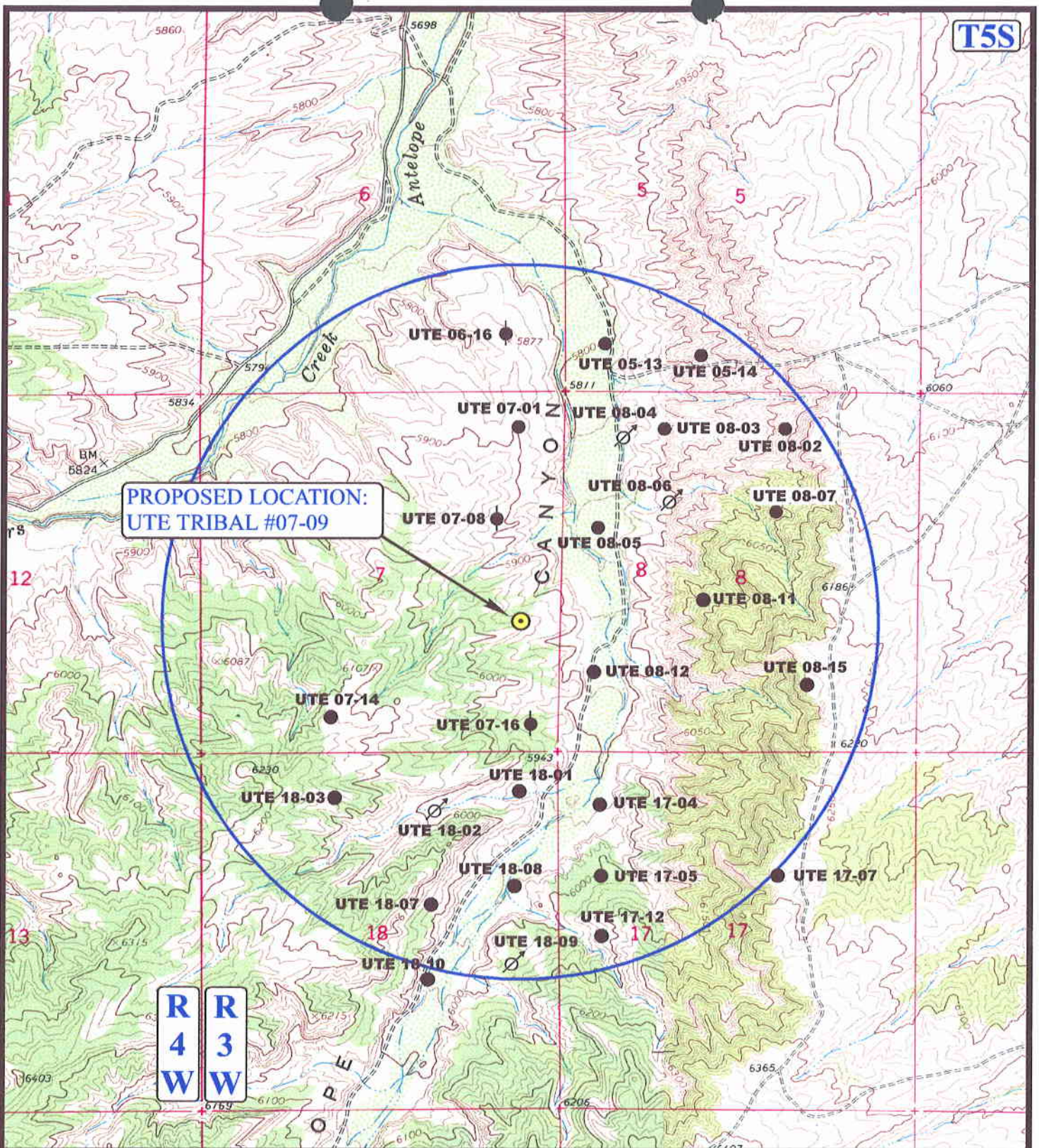


TOPOGRAPHIC
 MAP

6 1 97
 MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: J.L.G. REVISED: 00-00-00

B
 TOPO



LEGEND:

- ⊗ DISPOSAL WELLS
- PRODUCING WELLS
- ⬮ SHUT IN WELLS
- ⊗ WATER WELLS
- ⬮ ABANDONED WELLS
- ⬮ TEMPORARILY ABANDONED

PETROGLYPH OPERATING CO., INC.

UTE TRIBAL #07-09
SECTION 7, T5S, R3W, U.S.B.&M.
1937' FSL 570' FEL



Uintah Engineering & Land Surveying
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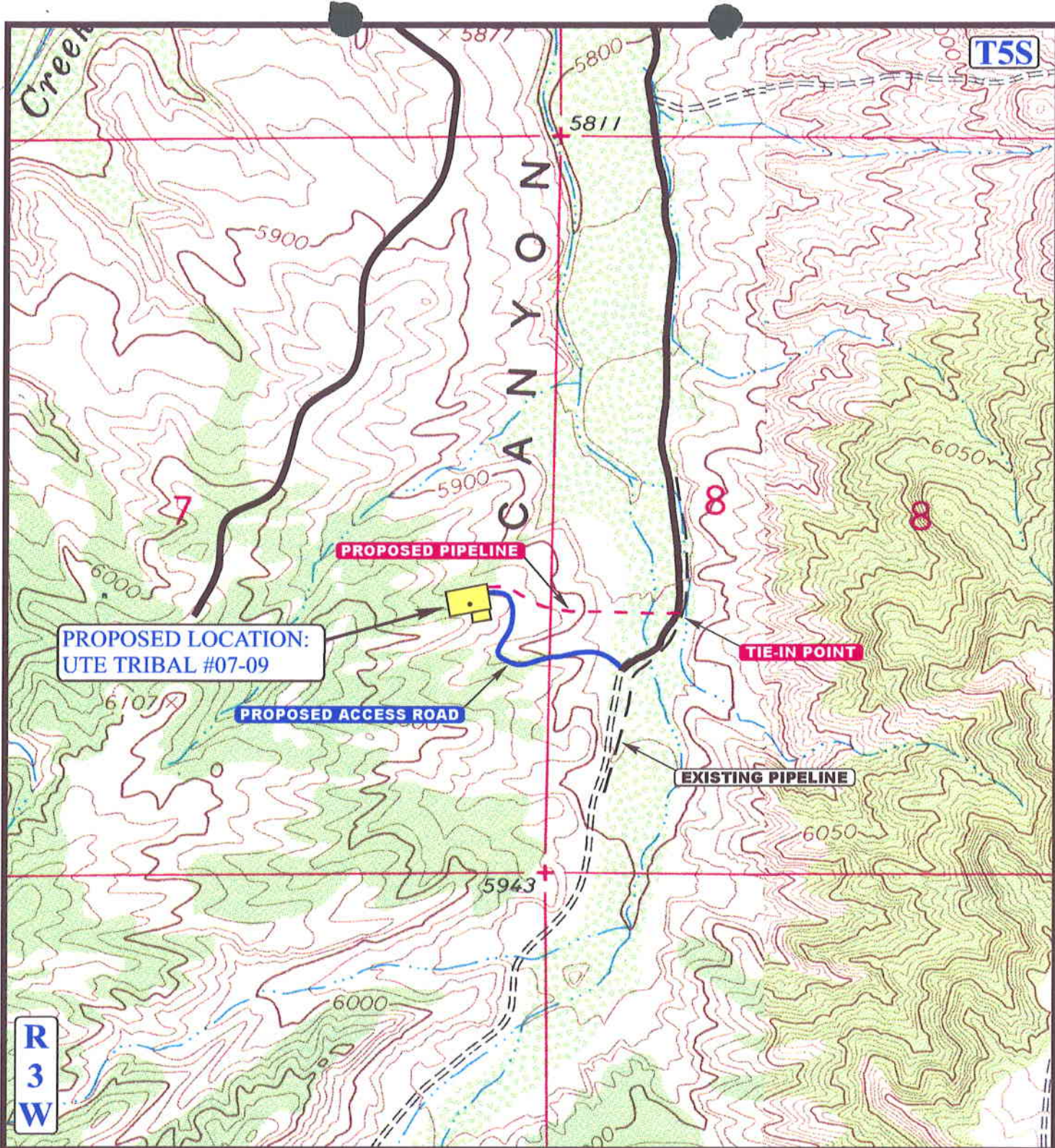


**TOPOGRAPHIC
MAP**

6 1 97
 MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: J.L.G. REVISED: 00-00-00





APPROXIMATE TOTAL PIPELINE DISTANCE = 1400' +/-

LEGEND:

- EXISTING PIPELINE
- - - PROPOSED PIPELINE
- PROPOSED ACCESS

PETROGLYPH OPERATING CO., INC.

UTE TRIBAL #07-09
SECTION 7, T5S, R3W, U.S.B.&M.
1937' FSL 570' FEL

TOPOGRAPHIC
MAP

6 **1** **97**
 MONTH DAY YEAR

SCALE: 1" = 1000' DRAWN BY: J.L.G. REVISED: 00-00-00

D
TOPO

UeLs

Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (801) 789-1017 * FAX (801) 789-1018
 Email: uels@easilink.com

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 06/20/97

API NO. ASSIGNED: 43-013-31900

WELL NAME: UTE TRIBAL 07-09
OPERATOR: PETROGLYPH OPERATING (N3800)

PROPOSED LOCATION:

NESE 07 - T05S - R03W
SURFACE: 1937-FSL-0570-FEL
BOTTOM: 1937-FSL-0570-FEL
DUCHESNE COUNTY
ANTELOPE CREEK FIELD (060)

LEASE TYPE: IND
LEASE NUMBER: 14-20-H62-3506

PROPOSED PRODUCING FORMATION: GRRV

INSPECT LOCATION BY: / /

TECH REVIEW	Initials	Date
Engineering		
Geology		
Surface		

RECEIVED AND/OR REVIEWED:

☒ Plat
☒ Bond: Federal ☒ State ☐ Fee ☐
(Number 4556)
☒ Potash (Y/N)
☒ Oil shale (Y/N)
☒ Water permit
(Number 43-10152)
☒ RDCC Review (Y/N)
(Date:)

LOCATION AND SITING:

☐ R649-2-3. Unit: _____
☒ R649-3-2. General.
☐ R649-3-3. Exception.
☐ Drilling Unit.
Board Cause no: _____
Date: _____

COMMENTS:

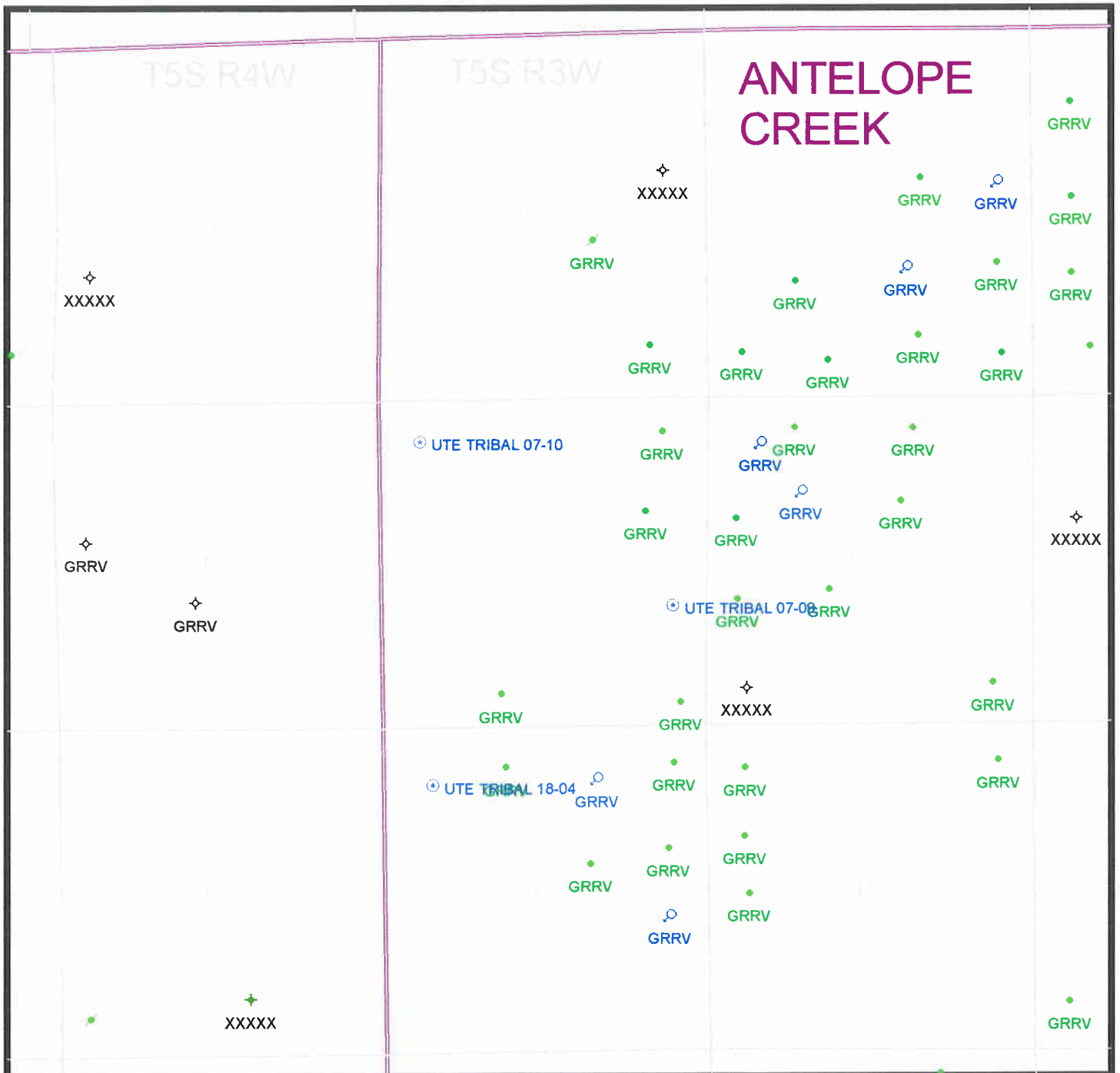
STIPULATIONS:

OPERATOR: PETROGLYPH OPERATING (N3800)

FIELD: ANTELOPE CREEK (060)

SEC, TWP, RNG: 7, T5S, R3W

COUNTY: DUCHESNE UAC: R649-3-2



PREPARED:
DATE: 23-JUNE-97



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

1594 West North Temple, Suite 1210

Box 145801

Salt Lake City, Utah 84114-5801

801-538-5340

801-359-3940 (Fax)

801-538-7223 (TDD)

June 30, 1997

Petroglyph Operating Company, Inc.
P.O. Box 607
Roosevelt, Utah 84066

Re: Ute Tribal 07-09 Well, 1937' FSL, 570' FEL, NE SE, Sec. 7,
T. 5 S., R. 3 W., Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-31900.

Sincerely,

A handwritten signature in cursive script, reading 'Lowell P. Braxton'.

Lowell P. Braxton
Deputy Director

lwp

Enclosures

cc: Duchesne County Assessor

Bureau of Land Management, Vernal District Office

Operator: Petroglyph Operating Company, Inc.
Well Name & Number: Ute Tribal 07-09
API Number: 43-013-31900
Lease: 14-20-H62-3506
Location: NE SE Sec. 7 T. 5 S. R. 3 W.

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for Permit to Drill.

2. Notification Requirements

Notify the Division within 24 hours following spudding the well or commencing drilling operations. Contact Jimmie Thompson at (801)538-5336.

Notify the Division prior to commencing operations to plug and abandon the well. Contact John R. Baza (801)538-5334 or Mike Hebertson at (801) 538-5333.

3. Reporting Requirements

All required reports, forms and submittals shall be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

CONFIDENTIAL

Name of Company: PETROGLYPH OPERATING

Well Name: UTE TRIBAL 07-09

Api No. 43-013-31900

Section: 7 Township: 5S Range: 3W County: DUCHESNE

Drilling Contractor UNION

Rig # 16

SPUDDED:

Date 7/7/97

Time

How ROTARY

Drilling will commence

Reported by DEANNA

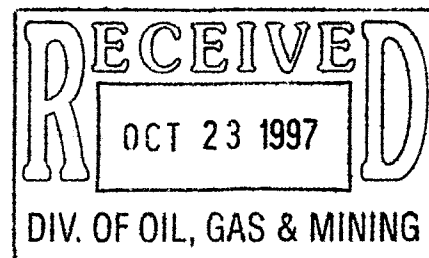
Telephone #

Date: 7/7/97 Signed: JLT

RIG CREW BUSY SERVICING RIG. NO PROBLEMS.



October 20, 1997



Vicky Dyson
State of Utah
Division of Oil, Gas & Mining
1594 W. North Temple, Ste.1210
Salt Lake City, UT 84114

CONFIDENTIAL

Ms. Dyson:

Enclosed are the logs and completion reports for the below listed wells located in Duchesne County, Utah.

<u>Well Name</u>	<u>Log</u>
Ute Tribal 07-09	CNL & AIT 43 013 31900 T055 R03W 07

If you need further information, please do not hesitate to call me at 316-665-8500.

Sincerely,

Judy Gates
Petroleum Geology Technician

FORM 7

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

REPORT OF WATER ENCOUNTERED DURING DRILLING

1. Well name and number:

Ute Tribal
07-09

API number:

43-013-31900

2. Well Location: QQ NESE

Section 7

Township 53

Range 3W

County

Duchesne

3. Well operator:

Petroglyph Operating Company Inc.

Address:

P.O. Box 1007

Roosevelt, UT 84066

Phone:

722-2531

4. Drilling contractor:

Union Drilling

Address:

P.O. Drawer 40

Buckhannon, WV 26201

Phone:

304-472-4610

5. Water encountered (attach additional pages as needed):

DEPTH		VOLUME (FLOW RATE OR HEAD)	QUALITY (FRESH OR SALTY)
FROM	TO		
0	863		
863		Hole Damp @ 863	No Sample
	1091	How to	1/8" x 7" Fresh
1091	2630	1/8" x 7"	FRESH
2630		1 1/2" x 7"	FRESH

6. Formation tops:

If an analysis has been made of the water encountered, please attach a copy of the report to this form.

I hereby certify that this report is true and complete to the best of my knowledge.

Date: 7-12-97

Name & Signature:

Lisha Cordova

Title:

Operations Coordinator

SUBMIT IN DUPLICATE
(See other instructions on
reverse side)

Form approved.
Budget Bureau No. 1004-0137
(Expires August 31, 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

5. LEASE DESIGNATION AND SERIAL NO.
14-20-H62-3506

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1.a. TYPE OF WELL: Oil Well ☒ Gas Well ☐ Dry ☐ Other ☐

6. IF INDIAN, ALOTTEE OR TRIBE NAME
Ute Indian Tribe

b. TYPE OF COMPLETION:

New Well ☒ Workover ☐ Deepen ☐ Plug Back ☐ Diff. Reserv. ☐ Other ☐

7. UNIT AGREEMENT NAME
14-20-H62-4650

8. FARM OR LEASE NAME

2. NAME OF OPERATOR

Petroglyph Operating Company, Inc.

3. ADDRESS OF OPERATOR

P.O. Box 607, Roosevelt, UT 84066 (801) 722-2531

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface 1937' FSL 570' FEL

9. WELL NO.
Ute Tribal 07-09

10. FIELD AND POOL, OR WILDCAT
Antelope Creek

11. SEC., T., R., M., OR BLOCK AND
SURVEY OR AREA
NESE Sec. 7-T5S-R3W

At top prod. interval reported below

At total depth 6151' RTD

14. PERMIT NO.
43-013-31900

DATE ISSUED
6/30/97

12. County or Parish
Duchesne

13. State
Utah

15. DATE SPUDDED 7/2/97

16. DATE T.D. REACHEE 7/14/97

17. DATE COMPLETED (Ready to prod.)
8/15/97

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*
5954' GL

19. ELEV. CASINGHEAD
5954

20. TOTAL DEPTH, MD & TVD
6151' RTD

21. PLUG BACK T.D., MD & TVD
6098'

22. IF MULTIPLE COMPL., HOW MANY*
6

23. INTERVALS
DRILLED BY

ROTARY TOOLS
CABLE TOOLS

24. PRODUCING INTERVAL(S) OF THIS COMPLETION -- TOP, BOTTOM, NAME (MD AND TVD)*

Green River

26. TYPE ELECTRIC AND OTHER LOGS RUN

CNL, AIT 10-23-97

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24#	270'	12-1/4"	165 sxs Type 5	
5-1/2"	15-5#	6144'	7-7/8"	210 sxs Highfill	
				390 sxs Thixotropic	

29. LINER RECORD

SIZE	TOP	BOTTOM (MD)	SACKS CEMENT*

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-7/8"	5930'	

31. PERFORATION RECORD (Interval, size and number)

D7.1 5138-52' (56 shots)

B10 4223-29' (24 shots)

D3.2 4937-41' (??)

B10 4242-46' (16 shots)

D3.1 4914-18" (??)

B8 4162-68' (???)

C9.2 4800-04' (???)

C6.2 4667-71' (???)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5138-52'	23563 gal Boragel, 90800# 20/40 prop
4937-41' & 4914-18"	10852 gal Boragel, 66100# 20/40 prop
4800-04'	5688 gal Boragel, 28000# 20/40 prop
4667-71'	5033 gal Boragel, 26000# 20/40 prop
4223-29' & 4242-46'	1846 gal Boragel & 73900# prop

33. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump)				WELL STATUS (Producing or shut-in)	
8/31/97		2½" x 1-3/4" x 16' 40 ring RHAC pump				producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL.	GAS - MCF.	WATER - BBL.	GAS-OIL RATIO
9/6/97	24			122	25	30	
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24 HR. RATE	OIL - BBL.	GAS - MCF.	WATER - BBL.	OIL GRAVITY - API (CORR.)	
	1000						

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

TEST WITNESSED BY

Dave Schreiner

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

Signed

Deanna Bell

Title

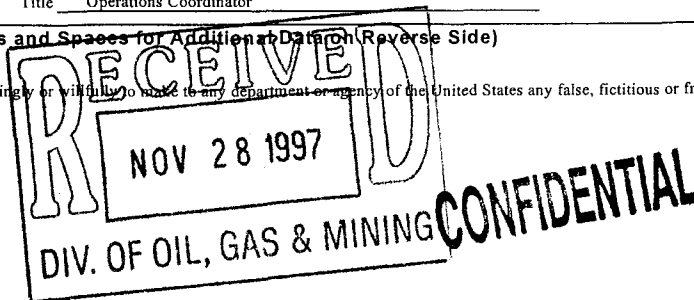
Operations Coordinator

Date

11-25-97

*(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly or willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



WELL COMPLETION 07-09

(continued)

32.

4162-68'

8614 gal Boragel, 50800# 20/40 prop

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37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, flowing and shut-in pressures, and recoveries):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	TOP TRUE VERT. DEPTH
B MKR XMRK YMRK DCMB BLM BCPLS BSCARB	3829 4324 4358 4467 4838 5403 5821		CONFIDENTIAL			

38.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
ENTITY ACTION FORM - FORM 6

OPERATOR
ADDRESS

Petroglyph Operating Company, Inc.
P.O. Box 607
Roosevelt, UT 84066

OPERATOR ACCT. N. *N3800*

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
<i>A</i>	<i>99999</i>	<i>12259</i>	<i>43-013-31900</i>	<i>Lte Tribal 07-09</i>	<i>NESE</i>	<i>07</i>	<i>5S</i>	<i>3W</i>	<i>Duchesne</i>	<i>7-2-97</i>	
WELL 1 COMMENTS: <i>Entity added 11-12-97. Lec</i>											
WELL 2 COMMENTS:											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

(3/89)

Leanna Bell
Signature
Operations Coordinator 11-2-97
Title
Date
Phone No. *801-722-2531*

0002

HUTCHINSON

11/12/97 15:22 FAX 8017229145

11/12/97 16:36

316 665 8577

PETROGLYPH

UT-DOGM

003/004

PETROGLYPH

P.O. Box 1839
Hutchinson, KS 67504-1839
Phone: (316) 665-8500
Fax: (316) 665-8577

This facsimile contains privileged and confidential information intended only for the use of the individual or entity named below. If the reader of the facsimile is not the intended recipient or the employee or agent responsible for delivering it to the intended recipient, you are hereby on notice that you are in possession of confidential and privileged information. Any dissemination, distribution or copying of this facsimile is strictly prohibited. If you have received this facsimile in error, please immediately notify the sender by telephone (collect) and return the original to the sender at the above address via the U.S. Postal Service.

To: Lisha Cordova From: Heanna Bell
Company: _____ Company: Petroglyph
Fax: _____ Pages: 5 (including cover)
Phone: _____ Date: 11/12/97
Re: _____ CC: _____
☐ Urgent ☐ For Review ☐ Please Comment ☐ Please Complete ☐ _____

● Comments:

Please deliver to Lisha - ASAP (Thank you)
Lisha - please call me at 316-665-8500
w/ Entity #'s.
Thanks a bunch,
Heanna

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.

Use "APPLICATION FOR PERMIT" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Petroglyph Operating Company, Inc.

3. Address and Telephone No.

P.O. Box 1839, Hutchinson, KS 67504-1839; (316) 665-8500

4. Location of Well (Footage, Sec., T., R., or Survey Description)

1937' FSL and 570" FEL
NE SE Sec. 7 T5S R 3W

CONFIDENTIAL

5. Lease Designation and Serial No.

14-20-H62-3511

6. If Indian, Allottee or Tribe Name

Ute Indian Tribe

7. If Unit or CA, Agreement Designation

14-20-H62-4650

8. Well Name and No.

Ute Tribal 07-09

9. API Well No.

43-013-31900

10. Field and Pool, or Exploratory Area

Antelope Creek

11. County or Parish, State

Duchesne County, UT

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

TYPE OF ACTION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other _____

- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☒ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Petroglyph Operating Company, Inc. has submitted an application for a UIC permit to convert the Ute Tribal Well # 07-09 from a producing well to an injection well under the EPA Area Permit #UT2736-00000 within the Antelope Creek Waterflood Project Area located in Duchesne County, Utah.

CONFIDENTIAL

14. I hereby certify that the foregoing is true and correct

Signed Kathy Turner

Title Petroleum Engineering Tech

Date 12-16-97

(This space for Federal or State official use)

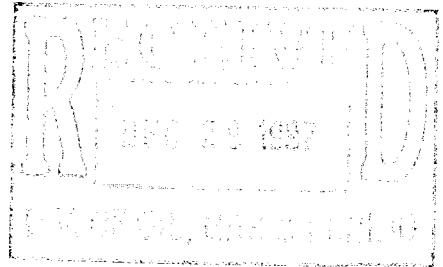
Approved by _____ Title _____

Date _____

Conditions of Approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter in its jurisdiction.

*See Instruction on Reverse Side



December 24, 1997

Mr. Jim Thompson
State of Utah - Division of Oil, Gas & Mining
1594 West North Temple, Ste. 1210
Box 145801
Salt Lake City, UT 84114-5801

RE: EPA AREA PERMIT NO. 2736-00000

Dear Mr. Thompson:

Enclosed are copies of Sundry Notices being filed with the Bureau of Land Management requesting permission to convert from producing to injection on the following wells:

Ute Tribal #07-00	Ute Tribal #28-05A
Ute Tribal #07-16	Ute Tribal #29-06
Ute Tribal #16-02	Ute Tribal #30-11
Ute Tribal #16-08	Ute Tribal #33-08D3
Ute Tribal #18-12	Ute Tribal #33-10D3
Ute Tribal #16-16	Ute Tribal #33-14D3
Ute Tribal #21-03	Ute Tribal #33-16D3

If you need further information, please do not hesitate to call me. Thank you for your attention to this matter.

Sincerely,

Kathy Turner

Kathy Turner
Petroleum Engineering Technician

/kt
Enclosures

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.

Use "APPLICATION FOR PERMIT" for such proposals

SUBMIT IN TRIPLICATE

FORM APPROVED
Budget Bureau No. 1004-0135
Expires March 31, 1993

5. Lease Designation and Serial No.
14-20-H62-3511

6. If Indian, Allottee or Tribe Name
Ute Indian Tribe

7. If Unit or CA, Agreement Designation
14-20-H62-4650

8. Well Name and No.
Ute Tribal 07-09

9. API Well No.
43-013-31900

10. Field and Pool, or Exploratory Area
Antelope Creek

11. County or Parish, State
Duchesne County, UT

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator
Petroglyph Operating Company, Inc.

3. Address and Telephone No.
P.O. Box 1839, Hutchinson, KS 67504-1839; (316) 665-8500

4. Location of Well (Footage, Sec., T., R., or Survey Description)
**1937' FSL and 570' FEL
NE SW Sec. 7 T4S R 3W**

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

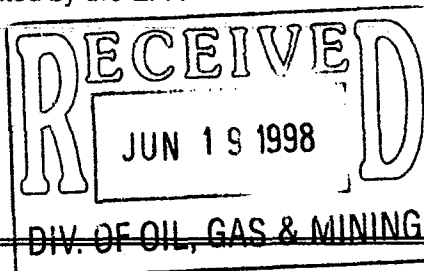
- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Commencing
- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Petroglyph Operating Company, Inc. has requested approval to inject fluids in the Ute Tribal #07-09 under EPA Area Permit #UT2736-00000 within the Antelope Creek Waterflood Project Area located in Duchesne County, Utah.

Further to BLM & EPA approval (Permit #UT2736-04415), enclosed are copies of the MIT and Job Summary. Approval to inject fluids was granted by the EPA on 4/15/98. Injection commenced on 4/16/98.



14. I hereby certify that the foregoing is true and correct

Signed Kathy Turner Title Petroleum Engineering Tech

Date June 9, 1998

(This space for Federal or State official use)

Approved by _____ Title _____

Date _____

Conditions of Approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter in its jurisdiction.

*See Instruction on Reverse Side

Mechanical Integrity Test

Casing or Annulus Pressure Test for Well UT2736-31900

U.S. Environmental Protection Agency
Underground Injection Control Program, UIC Implementation Section, 8WM-DW
999 18th Street, Suite 500, Denver, CO 80202-2466
This form was printed on 06/10/1996.

EPA Witness: _____

Date 3/25/98Test conducted by: Chad Stearnson

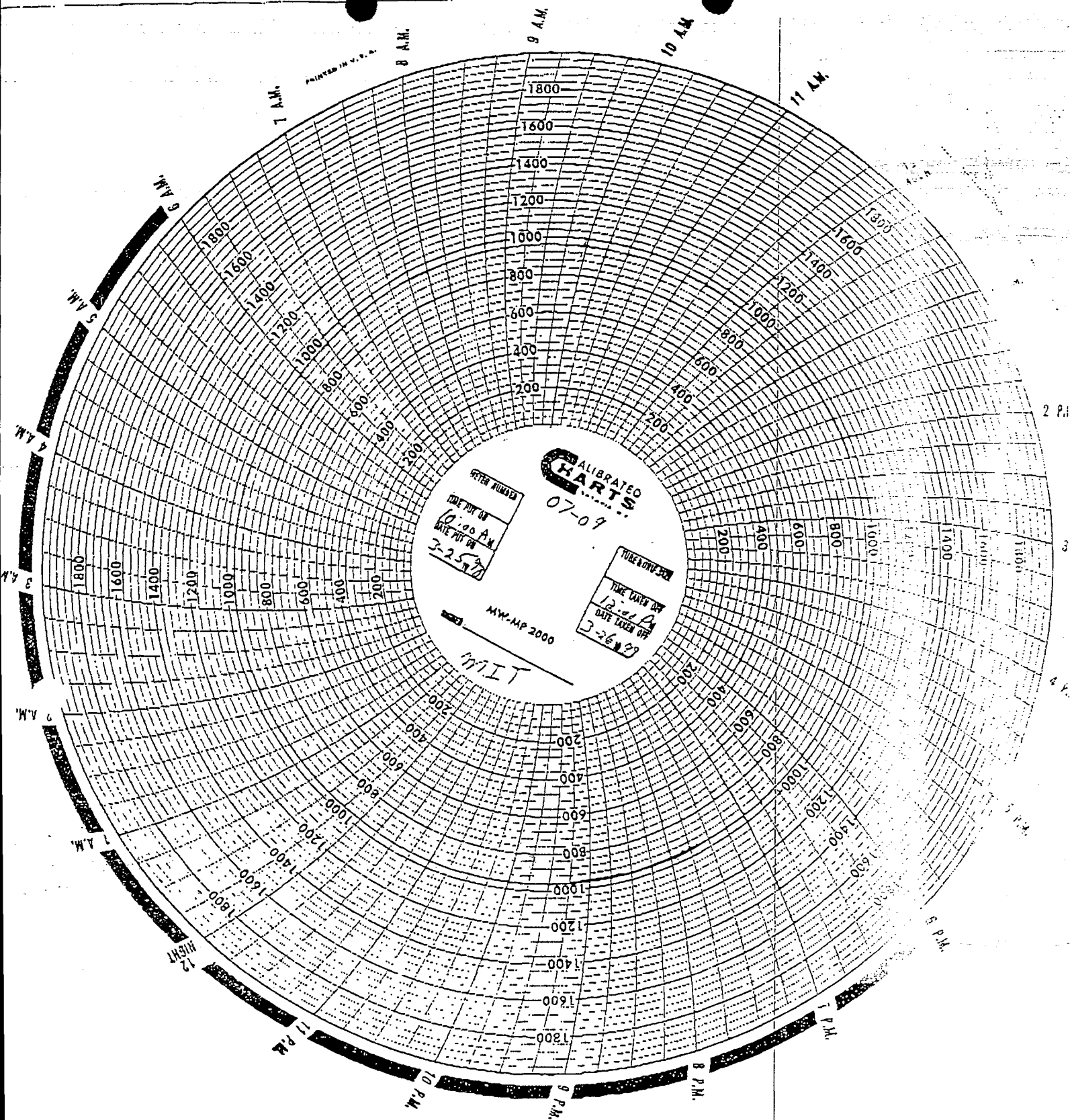
Others present: _____

UTE TRIBAL 07-09 as of
ANTELOPE CREEK NESE
Petroglyph Operating Company, Inc., Hutchinson, KS Op ID PTG01
Last MIT: No record / /
Max Allowed Press psig 199 Max Reported Press psig

Is this a regularly scheduled test? ☐ Yes ☐ No
Initial test for permit? ☒ Yes ☐ No
Test after well rework? ☐ Yes ☐ No

Well injecting during test? ☒ NO ☐ YESInitial casing/tubing annulus pressure 960 psigDoes the annulus pressure build back up? ☐ Yes ☒ No

TUBING PRESSURE				
Initial	<u>0</u>	psig		psig
End of Test	<u>0</u>	psig		psig
CASING/TUBING ANNULUS PRESSURE				
Time	Test #1	Test #2	Test #3	
0 min	<u>960</u>	psig		psig
5	<u>960</u>			
10	<u>960</u>			
15 min	<u>960</u>			
20	<u>960</u>			
25	<u>960</u>			
30 min	<u>960</u>			
12 HR	<u>960</u>			
24 HR	<u>960</u>			
Result (circle)	Pass	Fail	Pass	Fail



PETROGLYPH



Petroglyph Energy, Inc.
6209 North Highway 61
Hutchinson, KS 67502

P. O. Box 1839
Hutchinson, KS 67504-1839

316 665-8500
316 665-8577 fax

March 27, 1998

Mr. Chuck Williams
U. S. Environmental Protection Agency
UIC Implementation Section, 8 P2-W-GW
999 18th Street, Suite 500
Denver, CO 80202-2466

RE: EPA AREA PERMIT NO. UT2736-00000
Ute Tribal #07-09, (Permit No. UT2736-31900)
NE SE, Sec. 7, T5S, R3W, Duchesne County, Utah

Dear Mr. Williams:

In accordance with the regulations stated under Part II.C.2 that pertain to the above-referenced permit, the following conditions have been fulfilled and are enclosed:

1. Well Rework Record (EPA Form 7520-12);
2. The pore pressure of the above-referenced well is 2620 psi; and
3. Mechanical Integrity Test has been successfully completed and passed.

I am requesting immediate approval (via facsimile) to inject fluids (water and/or gas) at the earliest possible date. If you have any questions or need additional information, please do not hesitate to call.

Sincerely,

PETROGLYPH OPERATING COMPANY, INC.

Kathy Turner
Petroleum Engineering Technician

/kt

Enclosures

WORKOVER REPORT

5/14/98

Petroglyph Operating Co., Inc.

Operator:	Petroglyph Operating Company, Inc.	Elevation:	0
Lease:	Ute Tribal 07-09		0
API #:	43-013-31900	Property:	11020
Location:	7 - 5 S - 3 W	AFE/EPE Number:	41395
County, St.:	Duchesne UT	Event Type:	convert to injector

Activity Date

Activity Description

3/20/98

Final Report

7:00 0 SIP ND BOPS NU well head flush tubing 25 bbls, RIH w/ valve on sandline to F nipple. Pump pkr fluid down csg pressure tbg to 2500 psi set pkr. Slack off tbg 10,000 # compression. Test csg 1200 psi leave pressure on csg RD rig pump & tanks.

Tubing Detail

KB	10.00	
126 jts 2 3/8 4.7# J-55	4040.49	
5 1/2 Hydro #1 pkr	8.00	4058.49
2 3/8 sub J-55	3.95	
F nipple	1.00	
compression	-1.00	4062.44

3/19/98

7:00 SITP- 400 SICP- 500 Blow well down to tank RIH 30 jts set tools isolate each set of perfs for injection test check rates @ 1800 psi & 1500 psi.

D7.1 perfs 5138-5152' 3.8 bpm @ 1839; 208 bpm @ 1530; ISIP 1263, 3 min. 0

D3.2 perfs 4937-4941' 5.7 bpm @ 1881; 5.1 bpm @ 1553; ISIP 0, move tool

D3.1 perfs 4914-4918' 4.7 bpm @ 1900; 3.8 bpm @ 1572; ISIP 794, 2 min. 0

C9.2 perfs 4800-4804' 2.5 bpm @ 1993; 1.2 bpm @ 1627; ISIP 1726, 5 min. 1159, 10 min. 931, 15 min. 768

C6.2 perfs 4667-4671' 3.3 bpm @ 1825; 2.7 bpm @ 1622; ISIP 1662, 5 min. 1156, 10 min. 841, 15 min. 637

B10 perfs 4242-4246' 5.8 bpm @ 1820; 5.2 bpm @ 1500; ISIP 0

B10 perfs 4223-4229' 3.5 bpm @ 1821; 4.8 bpm @ 1575; ISIP 200, 5 min. 0

B08 pers 4162-4168' 3 bpm @ 1805; 2 bpm @ 1575; ISIP 1222, 5 min. 0 RD Hali. Release tools

POOH LD tools. PU 5 1/2 Hydro #1 pkr. RIH 126 jts. Drain pump & lines. 5:30 SWIFN.

3/18/98

7:00 SITP 100 SICP 250 open to tank. Kill well w/ 75 bbls prod. wtr. PU 2 3/8 tbg 87 jts no fill @ 5591'. LD 13 jts TOOH w/ 160 jts. LD bit & scraper. PU BVBP & RTTS TIH 160 jts set plug @ 5188' pull up 5' set packer @ 5173' test tools 2000 psi. Release packer isolate on bottom perf 5152'. Release packer pull above perfs. Drain pump & lines. 2:30 SWIFN



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8

1595 Wynkoop Street
DENVER, CO 80202-1129
Phone 800-227-8917
<http://www.epa.gov/region08>

JAN 08 2013

Ref: 8ENF-UFO

CERTIFIED MAIL 7009-3410-0000-2599-7631
RETURN RECEIPT REQUESTED

RECEIVED

JAN 11 2013

DIV. OF OIL, GAS & MINING

Mr. Les Farnsworth, District Supervisor
Petroglyph Operating Company, Inc.
4116 W 3000 S Ioka Lane
P.O. Box 607
Roosevelt, UT 84066

Accepted by the
Utah Division of
Oil, Gas and Mining

FOR RECORD ONLY

Re: Underground Injection Control (UIC)
Permission to Resume Injection
Tribal 21-14, 16-11, 21-03 and 07-09 Wells
EPA ID# UT20736-06481, 04393, 04363 and 04415
API # 43-013-31742, 43-013-31799, 43-013-31752 and 43-013-31900
Antelope Creek Oil Field
Duchesne County, UT

SS 3W 7

Dear Mr. Farnsworth:

On January 2, 2013, the Environmental Protection Agency (EPA) received information from Petroglyph Operating Company, Inc. on the above referenced wells concerning the workovers and the followup mechanical integrity tests (MIT) conducted between November 8, 2012 and November 11, 2012. The data submitted shows that the wells passed the required MITs. Therefore, pursuant to Title 40 of the Code of Federal Regulations Section 144.51(q)(2) (40 C.F.R. §144.51(q)(2)), permission to resume injection is granted. Under continuous service, the next MITs will be due on or before November 8, 2017 for the 07-09 well, November 9, 2017 for the 21-03 well, November 10, 2017 for the 21-14 well and November 11, 2017 for the 16-11 well.

Pursuant to 40 C.F.R. §144.52(a)(6), if the well is not used for a period of at least two (2) years ("temporary abandonment"), it shall be plugged and abandoned unless EPA is notified and procedures are described to EPA ensuring the well will not endanger underground sources of drinking water ("non-endangerment demonstration") during its continued temporary abandonment. A successful MIT is an acceptable non-endangerment demonstration and would be necessary every two (2) years the well continues in temporary abandonment.

Failure to comply with a UIC Permit, or the UIC regulations found at 40 C.F.R. Parts 144 through 148 constitute one or more violations of the Safe Drinking Water Act, 42 U.S.C. §300h. Such non-compliance may subject you to formal enforcement by EPA, as codified at 40 C.F.R. Part 22.

If you have any questions concerning this letter, you may contact Sarah Roberts at (303) 312-7056. Please direct all correspondence to the attention of Sarah Roberts at Mail Code 8ENF-UFO.

Sincerely,



Darcy O'Connor, Acting Director
UIC/FIFRA/OPA Technical Enforcement Programs

cc: Irene Cuch, Jr., Chairwoman
Uintah & Ouray Business Committee
P.O. Box 190
Fort Duchesne, Utah 84026

Reannin Tapoof, Assistant
Uintah & Ouray Business Committee
P.O. Box 190
Fort Duchesne, Utah 84026

Richard Jenks, Councilman
Uintah & Ouray Business Committee
P.O. Box 190
Fort Duchesne, Utah 84026

Phillip Chimburas, Councilman
Uintah & Ouray Business Committee
P.O. Box 190
Fort Duchesne, Utah 84026

Mike Natchees, Environmental
Coordinator
Ute Indian Tribe
P.O. Box 190
Fort Duchesne, Utah 84026

Ronald Wopsock, Vice-Chairman
Uintah & Ouray Business Committee
P.O. Box 190
Fort Duchesne, Utah 84026

Stewart Pike, Councilman
Uintah & Ouray Business Committee
P.O. Box 190
Fort Duchesne, Utah 84026

Frances Poowegup, Councilwoman
Uintah & Ouray Business Committee
P.O. Box 190
Fort Duchesne, Utah 84026

Manuel Myore, Director of Energy,
Minerals and Air Programs
Ute Indian Tribe
P.O. Box 190
Fort Duchesne, Utah 84026

John Rogers
Utah Division of Oil, Gas and Mining
P.O. Box 145801
Salt Lake City, Utah 84114

